UMASS/AMHERST
312066 0281 6042 7

Digitized by the Internet Archive
in 2014

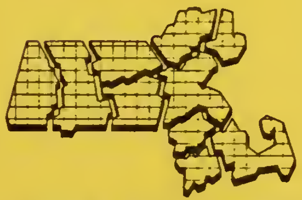
https://archive.org/details/annualplanningi9809mass_0

MASS. / MA20.27: BR/1980-982

U OF MASS/AMHERST LIBRARY

ANNUAL PLANNING INFORMATION REPORT FISCAL YEAR 1980 BROCKTON SMSA

GOVERNMENT DOCUMENTS
COLLECTION
OCT 1979
University of Massachusetts
Depository Copy



LABOR AREA RESEARCH PUBLICATION

Job Market Research Service ● Massachusetts Division of Employment Security

ANNUAL PLANNING INFORMATION REPORT

FISCAL YEAR 1980

BROCKTON, MASSACHUSETTS

STANDARD METROPOLITAN STATISTICAL AREA

Prepared by: Kenneth R. Lucas
Labor Market Economist
Labor Area Research Department
Massachusetts Division of
Employment Security
Charles F. Hurley Building
Government Center
Boston, Massachusetts 02114

TABLE OF CONTENTS

PAGE

Highlights and Conclusions 1

Description of Area 1
    Definition of Area 1
    Population 5

Training Programs 9

Unemployment Trends and Projections 10

Supply and Demand of Human Resources 25

Employment Outlook by Industry 37
    Durable Goods 37
    Nondurable Goods 39
    Nonmanufacturing 40

Employment Developments and Outlook by Occupation 41
    Short Term Outlook 41
    Long Term Outlook - Occupational Projections to 1985 41

Estimate of Need for Manpower Services 63
    Characteristics of the Economically Disadvantaged 63
    Barriers to Employment of Economically Disadvantaged 66

Addendum

LIST OF TABLES

PAGE

1. Population Brockton SMSA by City & Town 4
2. Labor Force Projection FY 1980 Brockton SMSA 6
3. Projected Population by Race, Sex, Age Brockton SMSA 7
4. Monthly Unemployment Statistics Brockton SMSA 11
5. Quarterly Unemployment Statistics Brockton SMSA 12
6. Six Month Moving Average Unemployment Statistics Brockton SMSA 13
7. Unemployment Projections by Race and Sex Brockton SMSA 14
8. Total Benefit Payments by Industry Brockton SMSA February 1979 15
9. Selected Characteristics of Insured Unemployed Brockton Labor Area December 1978 16
10. Duration Most Recent Spell (All Programs) Brockton Labor Area December 1978 18
11. Age and Average Weekly Earnings of Insured Unemployed Brockton Labor Area December 1978 19
12. Age and Average Weekly Earnings of Insured Unemployed Brockton CETA area December 1978 20
13. Selected Characteristics of Insured Unemployed Brockton CETA December 1978 21
14. Duration Most Recent Spell (All Programs) Brockton CETA December 1978 23
15. Employment Security Job Bank Openings by Occupational Category Taunton, Massachusetts April 1979 26

LIST OF TABLES

PAGE

16. Employment Security Job Bank Openings and Percent Distribution of Openings by Industry Groups Taunton, Massachusetts April 1979 27

17. Employment Security Job Bank Openings and Average Pay by Selected Industry Group Taunton, Massachusetts April 1979 30

18. Job Openings Received and Filled by Occupation and Specified Types March 31, 1979 Brockton SMSA 33

19. Job Openings Received and Filled by Occupational Category and Hourly Wage Rate March 31, 1979 Brockton SMSA 34

20. Applicants and Nonagricultural Job Openings by Occupation March 31, 1979 Brockton SMSA 35

21. Brockton SMSA Positions Filled by Quarter 2nd Quarter 1978 to 1st quarter 1979 44

22. Occupation Employment Projections Brockton SMSA 45

23. Total Number of Job Openings by Occupation During 1974-1985 Period Brockton SMSA 46

24. Total Employment by Industry Adjusted for Class of Worker 1970 - 1974 - 1985 Brockton SMSA 55

25. Occupations With Largest Average Total Demand Brockton SMSA 60

26. Additional Unemployment Projections FY 1980 Brockton SMSA 64

PREFACE

The Annual Planning and Information Report (A.P.R.) is a statistical and analytical report prepared to provide demographic and socio-economic information, anticipated labor market conditions and information on employment developments by occupation and industry. For this particular report the planning information is projected on a fiscal year basis.

This report is intended to contain data and analysis to aid manpower planners in identifying the groups to whom service should be geared, the type of services that would best serve this group and the numbers and types of workers required to meet employer needs.

Highlights and Conclusions

The trend over the past few years has been one of slow, steady growth for the Brockton area, and from all evidence present, it would appear that the next fiscal year should continue that trend. However, many economists are predicting a slowdown or possibly even a recession for the coming year. If this happens, Brockton would be affected but not quite as severely as the remainder or other sections of the state.

The labor force, as well as the population, for the Brockton area again showed an increase in the projected figures. The area will continue to grow in population. The impending energy crisis will undoubtedly have some effect on both the population figures and the labor force figures as people will want to shift residences closer to their place of work, or vice versa.

The same industries that grew in the past continued to do so, while virtually all declining industries showed further decline or stagnation. The service industry, as well as, wholesale and retail trade continue to increase, while the leather and leather products continues its decline, however, at a slower pace, than previously observed.

Overall, barring any major recession, Brockton should continue the slow, steady growth exhibited over the past several years, or at worst, a possible levelling off of employment figures.

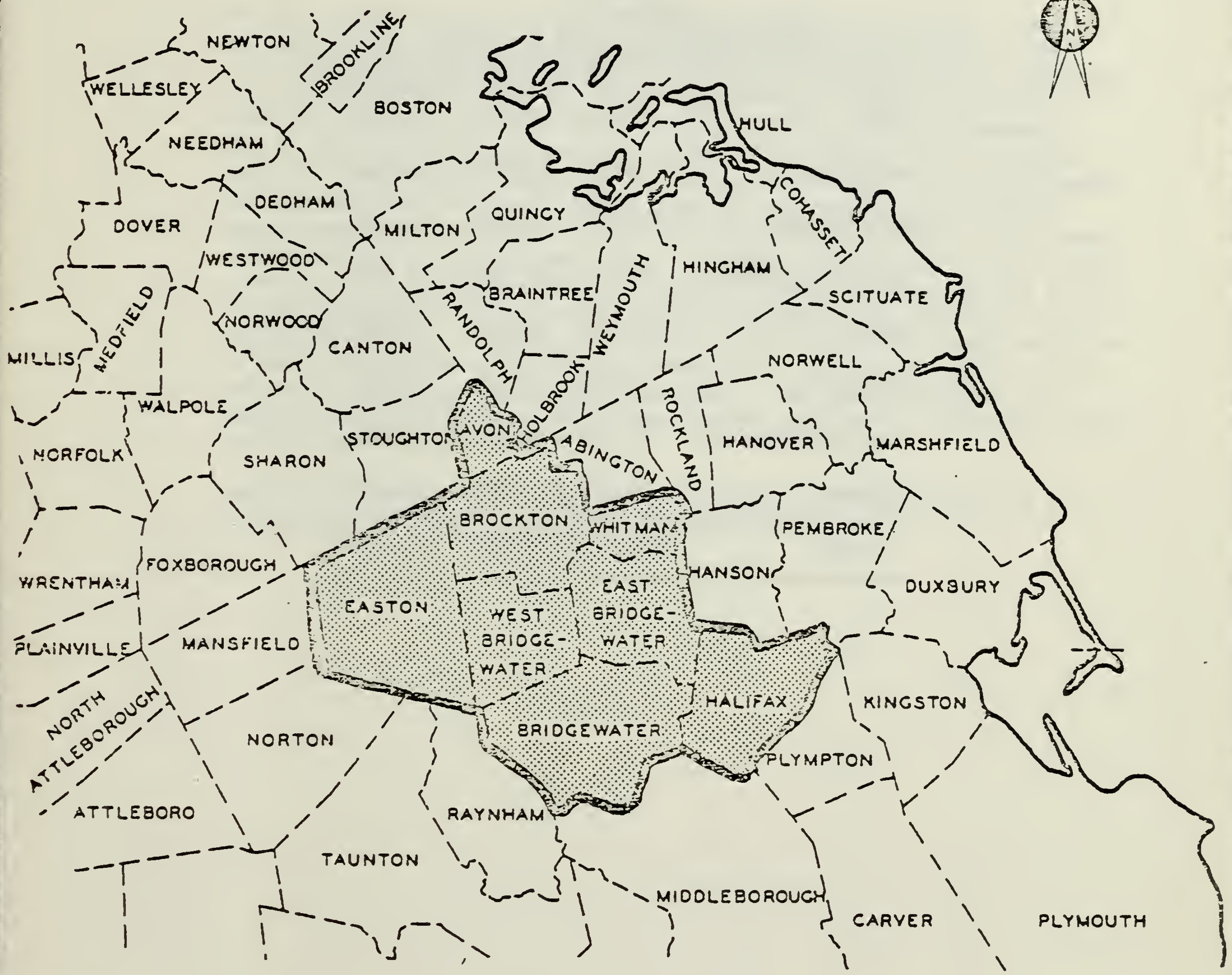
Description of Area

A Standard Metropolitan Statistical Area (SMSA) is a geographical area consisting of a central city or cities and the surrounding territory in which workers could change their job without changing their residence. In addition to the preceding statement, the city must have a population in excess of 90,000 people as well as maintaining a certain density of population. The emphasis on establishing an SMSA is on commuting patterns between a worker's home and his/her place of employment. The Brockton SMSA consists of the city of Brockton and the surrounding towns of Avon, Bridgewater, East Bridgewater, Easton, Halifax, West Bridgewater and Whitman. A portion of three separate counties are included in the SMSA - Plymouth, Bristol and Norfolk. However, no total county is included in the SMSA.

The center of the SMSA, the City of Brockton, is located approximately twenty miles from the City of Boston. Logan International Airport is within 45 minutes driving time from anywhere within the SMSA. For over-the-ground transportation the SMSA is serviced by a limited access road (Route 24) directly from Boston. However, several smaller routes with unlimited access provide varied accessibility to the area. The area also can boast of a rapidly expanding public transportation system. The transit system which services downtown Brockton and some of the surrounding communities also has a direct link with the transit system servicing the City of Boston and its surrounding area. The SMSA is also serviced by commuter buses from various towns to the City of Boston.

The City of Brockton is also designated as a CETA prime sponsor. The CETA consortium consists of the City of Brockton along with the towns of Abington, Avon, Bridgewater, East Bridgewater, Easton, Hanson, Stoughton, West Bridgewater and Whitman.

BROCKTON SMSA



MASSACHUSETTS DEPARTMENT OF COMMUNITY AFFAIRS

BUREAU OF REGIONAL PLANNING

10 0 10 20

SCALE IN MILES

as defined by
U. S. Office of Mgmt & Budget
27 April 1973

Table 1
Population
Brockton SMSA by City and Town

	1970	1975	1980 EST
Avon	5,295	5,301	5,564
Brockton	89,040	95,878	100,658
Bridgewater	12,911	13,620	14,840
East Bridgewater	8,347	9,548	10,023
Easton	12,157	14,221	14,930
Halifax	3,537	4,775	5,013
West Bridgewater	6,070	6,442	6,763
Whitman	13,059	13,475	14,147
TOTAL	150,416	163,260	171,938

Population

The projected population for fiscal year 1980 is 171,938. This is an increase of 14.3 percent compared to the 1970 total. The increase is not attributed to a "baby-boom" as was the case following the end of World War II but rather it is a case of the shift from the larger cities to the outlying suburbs. The increase in the Brockton population can be, in part, attributed to the migration of people from Boston as they move southward. The fulfillment of the American Dream of owning your own single family dwelling has in great part been a cause of the population shift. With easy accessibility to the Boston area, the area surrounding the downtown Brockton area, became lucrative ground. Another cause of the shift in the population is the newer style apartment dwellings built in the Brockton area. While it is true that Boston has newer buildings as well, the price of living in Brockton is not comparable to the price of a similar apartment in Boston. The cost of living in Brockton and working in Boston may become prohibitive however as the cost of gasoline increases.

The labor force for both the Brockton SMSA and consortium are included in the tables following this section.

Table 2

Labor Force Projections
Fiscal Year 1980
Brockton, Massachusetts SMSA

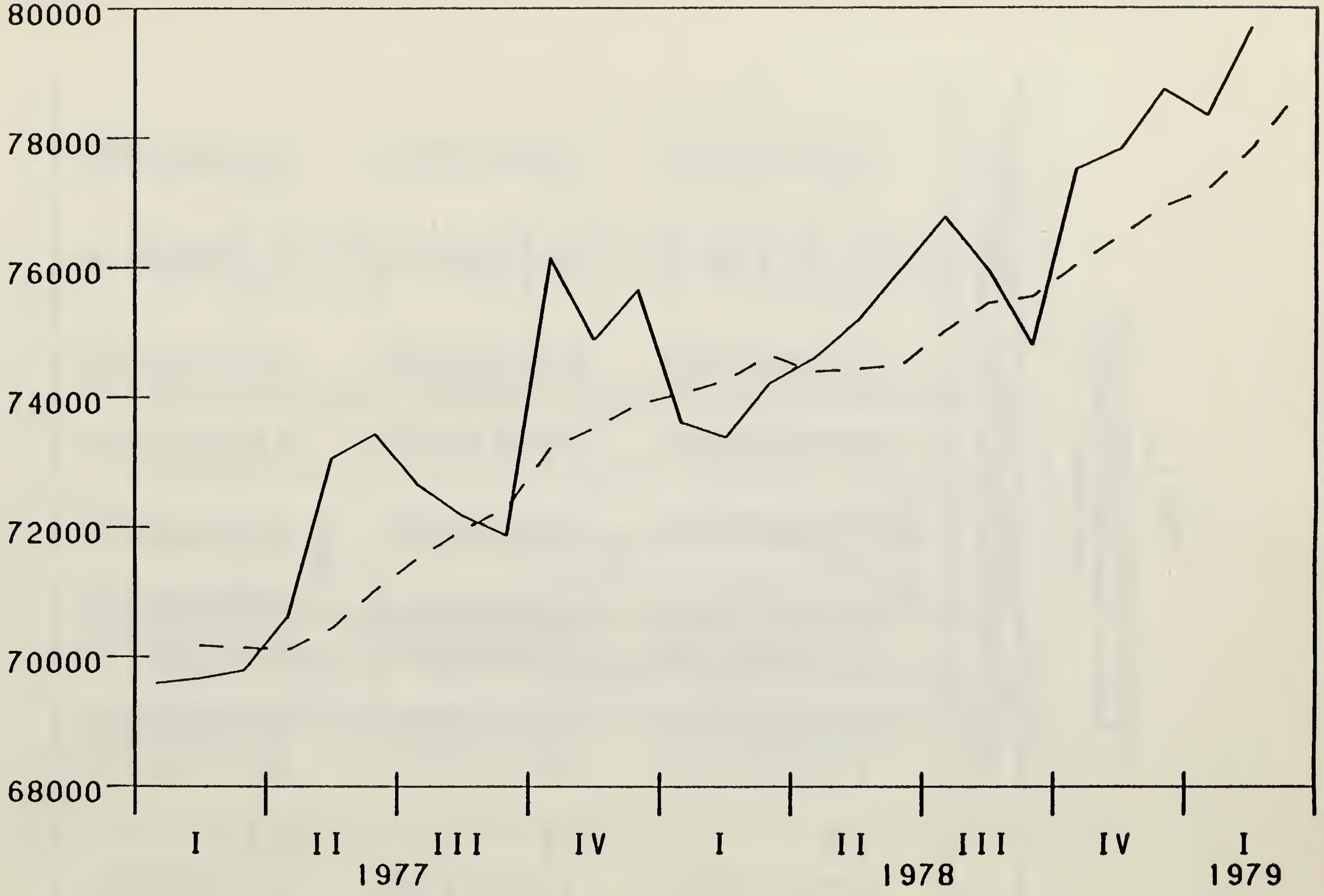
Category	Population		Labor Force		Participation Rate	
	1970	1980	1970	1980	1970	1980
White Males	47,095	57,292	36,976	47,137	78.5	82.3
16-19	4,790	6,856	2,746	5,329	57.3	77.7
20-24	5,068	6,018	4,002	5,194	79.0	86.3
25-34	8,975	10,416	8,491	10,262	94.6	98.5
35-44	8,473	11,864	7,890	11,427	93.1	96.3
45-64	14,121	15,768	12,229	13,409	86.6	85.0
65+	5,668	6,370	1,618	1,516	28.5	23.8
White Females	51,830	63,381	23,187	35,076	44.7	55.3
16-19	5,143	6,939	2,587	5,534	50.3	79.8
20-24	5,819	6,722	3,205	4,590	55.1	68.3
25-34	9,385	12,626	3,587	6,739	38.2	53.4
35-44	7,945	11,406	4,134	7,323	52.0	64.2
45-64	14,629	15,995	8,604	9,914	58.8	62.0
65+	8,909	9,693	1,070	976	12.0	10.1
Black Males	782	1,104	525	791	67.1	71.7
16-19	75	170	36	107	48.0	62.9
20-24	115	117	88	95	76.5	81.2
25-34	219	247	168	201	76.7	81.4
35-44	100	282	75	227	75.0	80.5
45-64	199	211	142	147	71.4	69.7
65+	74	77	16	14	21.6	18.2
Black Females	733	1,078	379	629	51.7	58.4
16-19	73	171	39	123	53.4	71.9
20-24	97	124	64	89	66.0	71.8
25-34	194	221	92	125	47.4	56.6
35-44	122	234	64	136	52.5	58.1
45-64	190	246	106	140	55.8	56.9
65+	57	82	14	16	24.6	19.5
Other Males	143	227	91	130	63.6	57.3
16-19	16	65	0	32	0	49.2
20-24	13	22	3	6	23.1	25.3
25-34	31	42	26	38	83.9	89.6
35-44	49	26	48	25	98.0	98.0
45-64	19	61	8	25	42.1	41.3
65+	15	11	6	4	40.0	33.7
Other Females	208	236	109	132	52.4	55.9
16-19	19	18	14	8	73.7	44.4
20-24	22	23	13	15	59.1	65.2
25-34	48	53	28	37	58.3	69.8
35-44	50	45	34	34	68.0	64.2
45-64	38	70	20	38	52.6	54.3
65+	31	27	0	0	0	0

Table 3

Projected Population by Race, Sex, Age
Brockton, Massachusetts Labor Area
Fiscal 1980

Age	Total	White	Nonwhite			Spanish American	Minority Total
			Black	Other	Total		
			BOTH SEXES				
Under 16	48,620	47,223	1,232	165	1,397	1,186	2,583
16 & over	123,318	120,673	2,182	463	2,645	1,677	4,322
16-19	14,219	13,795	341	83	424	135	559
20-24	13,026	12,740	241	45	286	251	537
25-34	23,605	23,042	468	95	563	540	1,103
35-44	23,857	23,270	516	71	587	523	1,110
45-54	17,343	17,011	229	103	332	130	462
55-64	15,008	14,752	228	28	256	56	312
65+	16,260	16,063	159	38	197	42	239
			MALE				
Under 16	24,774	24,052	625	97	722	652	1,374
16 & over	58,623	57,292	1,104	227	1,331	836	2,167
16-19	7,091	6,856	170	65	235	87	322
20-24	6,157	6,018	117	22	139	106	245
25-34	10,705	10,416	247	42	289	229	518
35-44	12,172	11,864	282	26	308	297	605
45-54	8,890	8,737	102	51	153	45	198
55-64	7,150	7,031	109	10	119	55	174
65+	6,458	6,370	77	11	88	17	105
			FEMALE				
Under 16	23,846	23,171	607	68	675	534	1,209
16 & over	64,695	63,381	1,078	236	1,314	841	2,155
16-19	7,128	6,939	171	18	189	48	237
20-24	6,869	6,722	124	23	147	145	292
25-34	12,900	12,626	221	53	274	311	585
35-44	11,685	11,406	234	45	279	226	505
45-54	8,453	8,274	127	52	179	85	264
55-64	7,858	7,721	119	18	137	1	138
65+	9,802	9,693	82	27	109	25	134

TOTAL EMPLOYMENT-BROCKTON SMSA
REPORTED (SOLID) VS SIX MONTH MOVING AVERAGE (DASH)



LABOR AREA RESEARCH DEPT.
DIV. OF EMPLOYMENT SECURITY

Training Programs

The Brockton CETA has a training program for eligible participants of the Consortium area. Eligibility for participation in any of the programs discussed is determined on an individual basis by CETA representatives. In addition to being a resident of the consortium, an applicant must meet certain economic eligibility guidelines. Preference for training is also given to significant minority and economic groups. It is strongly recommended if interested in any of the following programs that a possible applicant get in touch with a CETA representative.

The classroom training given under the auspices of Brockton CETA lasts anywhere in duration from four to six months depending upon the particular type of training desired. The courses are all open ended and open exited, meaning that a person may enter at any time or leave the program when the instructor feels the person is qualified to do so. The classroom programs consist of courses in welding, machinist trades, auto mechanics, building and home maintenance, as well as a course in English as a second language and the high school equivalency series or GED program. The Brockton CETA also has a contract with Stonehill College to administer a program entitled P.S.P. or Performance Seminar Program. This program is designed to develop personal and interpersonal skills to obtain and retain a job. This particular program is a two-week program.

The WIN program in the Brockton area appears to have more involvement in on the job training (OJT) than classroom training. Once again, if a person feels that they may qualify for any particular program which is administered by the WIN program, they should contact the Division of Employment Security, 25 White Avenue, Brockton for the specifics of the particular programs.

Another vocational training center located in the Brockton SMSA is Southeastern Technical Institute. The institute is located within the Southeastern Regional High School in the town of South Easton. The institute has programs in Practical Nursing, Medical Laboratory Assistant, Dental Assistant, Medical Assistant, Data Processing and Electronic Technology. This particular school, however, only services a portion of the SMSA. Any questions regarding training at Southeastern Technical Institute should be directed to the institute itself.

Unemployment Trends & Projections

The projected unemployment rate for the Brockton SMSA for fiscal year 1980 is 6.2 percent. With the employment figure projected to be 78,660, the unemployed figure would thusly be projected to be 5,199 for the planning period.

The highest rate of unemployment is projected to be among nonwhite females. The rate for this particular group is forecasted to be 17.8 percent. The remaining cohorts, in order of descending unemployment rate, are nonwhite males,(14.0 percent)white females (6.4 percent) and white males (5.7 percent).

The unemployment rate for the calendar year 1978 was 6.4 percent. The labor force was 80,883 with the number unemployed posted at 5,166 and the employed figure of 75,717.

Included in this section are tables with monthly unemployment statistics as well as the monthly figures done on a six month moving average. This moving average tends to act as a seasonal adjustment, that is to even out the "statistical noise" that occurs.

Table 4

Monthly Unemployment Statistics
Brockton SMSA
1977 and 1978

	Emp.	Unemp.	Labor Force	Rate
1977 Annual Avg.	72,464	7,217	79,681	9.1
January	69,592	8,607	78,199	11.0
February	69,668	8,453	78,121	10.8
March	69,792	7,529	77,321	9.7
April	70,626	8,061	78,687	10.2
May	73,064	5,892	78,956	7.5
June	73,436	7,462	80,898	9.2
July	72,643	7,077	79,720	8.9
August	72,175	8,753	80,928	10.8
September	71,876	8,302	80,178	10.4
October	76,149	6,117	82,266	7.4
November	74,892	5,548	80,440	6.9
December	75,657	4,802	80,459	6.0

	Emp.	Unemp.	Labor Force	Rate
1978 Annual Av.	75,717	5,166	80,883	6.5
January	73,608	6,362	79,970	8.0
February	73,385	6,580	79,965	8.2
March	74,221	5,126	79,347	6.5
April	74,597	4,686	79,283	5.9
May	75,180	4,447	79,627	5.6
June	75,981	5,828	81,809	7.1
July	76,778	5,453	82,231	6.6
August	75,960	5,832	81,792	7.1
September	74,816	4,905	79,721	6.2
October	77,520	3,628	81,148	4.5
November	77,821	4,485	82,306	5.5
December	78,740	4,666	83,406	5.6

Table 5

Quarterly Unemployment Statistics
Brockton SMSA
1977 First Quarter to 1979 First Quarter

	Labor Force	Emp.	Unemp.	Rate
1977	(BM 1977)			
I	77,880	69,684	8,196	10.5
II	79,514	72,376	7,138	9.0
III	80,275	72,231	8,044	10.0
IV	81,055	75,566	5,489	6.8

1978	(BM 1977)	Emp.	Unemp.	Rate
I	79,761	73,738	6,023	7.6
II	80,240	75,253	4,987	6.2
III	81,248	75,851	5,397	6.6
IV	82,287	78,027	4,260	5.2

1979	(BM 1977)	Emp.	Unemp.	Rate
I	85,355	79,225	6,130	7.2

Table 6
Six Month Moving Average
Unemployment Statistics
Brockton SMSA
1977 and 1978

1977	Emp.	Unemp.	Labor Force	Rate
January	70,131	7,463	77,594	9.6
February	70,172	7,505	77,677	9.7
March	70,139	7,498	77,637	9.7
April	70,108	7,688	77,796	9.9
May	70,441	7,434	77,875	9.6
June	71,030	7,667	78,697	9.7
July	71,538	7,412	78,590	9.4
August	71,956	7,462	79,418	9.4
September	72,303	7,591	79,894	9.5
October	73,224	7,267	80,491	9.0
November	73,529	7,210	80,739	8.9
December	73,899	6,767	80,666	8.4
Annual Avg.	71,509	7,414	78,923	9.4

1977	Emp.	Unemp.	Labor Force	Rate
January	74,060	6,647	80,707	8.2
February	74,261	6,285	80,546	7.8
March	74,652	5,756	80,408	7.2
April	74,393	5,517	79,910	6.9
May	74,441	5,334	79,775	6.7
June	74,495	5,505	80,000	6.9
July	75,024	5,353	80,377	6.7
August	75,453	5,229	80,682	6.5
September	75,552	5,192	80,744	6.4
October	76,039	5,016	81,055	6.2
November	76,479	5,022	81,501	6.2
December	76,939	4,828	81,767	5.9
Annual Avg.	75,149	5,474	80,623	6.8

Table 7
Unemployment Projections
By Race and Sex
Brockton, Mass.

Category	Labor Force	Unemployment	Unemployment Rate
SMSA			
White male	47,114	2,698	5.7
White female	35,060	2,236	6.4
Nonwhite male	920	129	14.0
Nonwhite female	765	136	17.8
TOTAL	83,859	5,199	6.2
CONSORTIUM			
White male	57,107	3,398	6.0
White female	43,027	2,842	6.6
Nonwhite male	1,226	234	19.1
Nonwhite female	1,070	184	17.2
TOTAL	102,430	6,658	6.5

Table 8
Total Benefit Payments
by Industry
February 1979
BROCKTON SMSA

Category	Percent of All Claims	Male	Female
Total	100.0%	100%	100%
MANUFACTURING	22.9	18.1	37.4
Elect. Mach.	(2.0)	(1.3)	(4.1)
Rubber & Plastics	(0.8)	(0.4)	(1.9)
Apparel	(3.8)	(1.2)	(11.8)
Leather	(1.7)	(1.1)	(3.4)
Fab. Metals	(1.9)	(2.0)	(1.7)
Non El. Mach.	(1.8)	(1.6)	(2.4)
Food	(1.6)	(1.5)	(1.9)
Print	(1.6)	(1.0)	(3.2)
Transportation	(2.0)	(2.5)	(0.3)
Agr. Forestry, Fisheries	3.3	4.0	1.2
Contract Construction	30.9	40.2	3.1
Transportation, Public Util.	6.1	6.8	4.1
Wholesale & Retail Trade	23.6	20.1	34.0
Finance Ins., Real Estate	2.5	1.7	4.8
Services	8.4	6.8	13.3
Not Coded	2.3	2.3	2.1

TABLE 9

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
BROCKTON LABOR AREA

DECEMBER 1978

	ALL PROGRAMS		REGULAR PRO-GRAMS	PSE
	NUMBER	PERCENT	NUMBER	NUMBER
TOTAL	1627	100.0	1377	242
AGE				
UNDER 20	-	-	-	-
UNDER 25	373	22.9	318	55
25 - 34	449	27.6	366	78
35 - 44	280	17.2	225	55
45 - 54	222	13.6	183	39
55 - 64	176	10.8	160	13
65 & OVER	125	7.7	122	3
I.N.A.	3	.2	3	-
SEX				
MEN	1002	61.6	827	169
WOMEN	625	38.4	549	73
I.N.A.	-	-	-	-
ETHNIC GROUP				
WHITE	1375	84.5	1162	208
NON-WHITE	47	2.9	37	10
I.N.A.	204	12.5	178	24
SPANISH SURNAME	4	.2	4	-
OCCUPATION				
PROF., TECH., MGT	265	16.3	216	47
CLERICAL/SALES	409	25.1	381	26
SERVICES	165	10.1	123	42
FARM, FISH, FOR.	18	1.1	13	5
PROCESSING	23	1.4	21	3
MACHINE TRADES	96	5.9	86	10
BENCH WORK	103	6.3	103	-
STRUCTURAL	261	16.0	214	47
MISC. WORK	285	17.5	219	63
I.N.A.	-	-	-	-
RECENT DURATION				
0-9 WEEKS	904	55.6	773	125
10-19 WEEKS	474	29.1	383	91
20-29 WEEKS	244	15.0	215	26
30 + WEEKS	5	.3	5	-

COMMONWEALTH OF MASSACHUSETTS DIVISION OF EMPLOYMENT SECURITY

TABLE 9
CONTINUED -1

	ALL PROGRAMS		REGULAR PRO-GRAMS	PSE
	NUMBER	PERCENT	NUMBER	NUMBER
INDUSTRY ATTACH.				
MANUFACTURING	335	20.6	332	3
CON. CONSTRUCT	133	8.2	133	-
TRAN./UTIL.	76	4.7	76	-
WHOL/RET.TRADE	424	26.1	424	-
FIN/INS/R.E.	33	2.0	33	-
SERVICES	298	18.3	227	71
GOVERNMENTS	271	16.7	94	169
OTHERS	8	.5	8	-
I.N.A.	49	3.0	49	-
AVE. WEEKLY WAGE				
UNDER $100	222	13.6	211	8
$100 - $149	391	24.0	320	65
$150 - $199	433	26.6	275	159
$200 - $249	208	12.8	198	10
$250 - $299	139	8.5	139	-
$300 OR MORE	184	11.3	184	-
I.N.A.	50	3.1	50	-
SEPARATION REASON				
LAYOFF	1238	76.1	1011	219
QUIT VOL. RET.	5	.3	5	-
QUIT PREGNANCY	3	.2	3	-
QUIT OTHER	84	5.2	81	3
DISCHARGES	222	13.6	202	21
LABOR DISPUTE	3	.2	3	-
OTHER/INA	72	4.4	72	-

TABLE 10

DURATION MOST RECENT SPELL (ALL PROGRAMS)
BROCKTON LABOR AREA

DECEMBER 1978

	TOTAL	0-4 WEEKS	5-14 WEEKS	15-26 WEEKS	27+ WEEKS
TOTAL	1629	534	677	366	52
OCCUPATION					
PROF,TECH,MGT	265	81	119	55	10
CLERICAL/SALES	409	106	154	131	18
SERVICES	165	47	73	45	-
FARM,FISH,FURS	18	8	10	-	-
PROCESSING	23	10	8	5	-
MACHINE TRADES	96	39	36	21	-
BENCH WORK	103	54	29	15	5
STRUCTURAL	261	84	133	34	10
MISC. WORK	287	105	114	60	8
I.N.A.	-	-	-	-	-
INDUSTRY ATTACH.					
MANUFACTURING	338	122	128	75	13
CONSTRUCTION	133	58	57	14	5
TRANS/UTIL	76	26	34	10	5
WHOL/RET/TRADE	424	146	139	118	21
FIN/INS/R.E.	33	10	8	13	3
SERVICES	298	71	161	63	3
GOVERNMENTS	271	83	132	52	3
OTHERS	8	3	5	-	-
I.N.A.	49	16	13	21	-
MALES	1002	344	430	202	26
UNDER 20	-	-	-	-	-
UNDER 25	237	83	114	36	3
25 - 34	289	112	115	55	8
35 - 44	150	39	63	45	3
45 - 54	123	39	55	26	3
55 - 64	126	50	42	29	5
65 & OVER	78	21	42	10	5
FEMALES	625	190	244	164	26
UNDER 20	-	-	-	-	-
UNDER 25	136	36	58	37	5
25 - 34	162	37	71	52	3
35 - 44	130	47	50	33	-
45 - 54	99	37	31	15	16
55 - 64	50	18	16	13	3
65 & OVER	47	15	18	13	-

TABLE 11

AGE AND AVERAGE WEEKLY EARNINGS OF THE INSURED UNEMPLOYED
BROCKTON LABOR AREA

DECEMBER 1978

	TOTAL		MALES		FEMALES	
	NUMBER	PER.	NUMBER	PER.	NUMBER	PER.
TOTAL	1629	100.0	1004	100.0	625	100.0
AGE GROUPS						
TOTAL	1627	99.9	1002	99.8	625	100.0
UNDER 20	-	-	-	-	-	-
UNDER 25	373	22.9	237	23.6	136	21.8
25 - 34	452	27.7	289	28.8	162	25.9
35 - 44	280	17.2	150	14.9	130	20.8
45 - 54	222	13.6	123	12.3	99	15.8
55 - 64	176	10.8	126	12.5	50	8.0
65 & OVER	125	7.7	78	7.8	47	7.5
WEEKLY EARN.						
TOTAL	1579	96.9	970	96.6	609	97.4
UNDER $100	224	13.8	67	6.7	157	25.1
$100-$149	391	24.0	172	17.1	219	35.0
$150-$199	433	26.6	286	28.5	148	23.7
$200-$249	208	12.8	151	15.0	57	9.1
$250-$299	139	8.5	115	11.5	24	3.8
$300 +	184	11.3	179	17.8	5	.8

TABLE 12

AGE AND AVERAGE WEEKLY EARNINGS OF THE INSURED UNEMPLOYED BROCKTON CETA

DECEMBER 1978

	TOTAL		MALES		FEMALES	
	NUMBER	PER.	NUMBER	PER.	NUMBER	PER.
TOTAL	2041	100.0	1279	100.0	762	100.0
AGE GROUPS						
TOTAL	2036	99.8	1273	99.5	762	100.0
UNDER 20	-	-	-	-	-	-
UNDER 25	455	22.3	298	23.3	157	20.6
25 - 34	567	27.8	358	28.0	209	27.4
35 - 44	349	17.1	193	15.1	156	20.5
45 - 54	292	14.3	164	12.8	128	16.8
55 - 64	237	11.6	169	13.2	68	8.9
65 & OVER	136	6.7	91	7.1	45	5.9
WEEKLY EARN.						
TOTAL	1986	97.3	1239	96.9	747	98.0
UNDER $100	258	12.6	76	5.9	183	24.0
$100-$149	466	22.8	203	15.9	263	34.5
$150-$199	541	26.5	367	28.7	174	22.8
$200-$249	282	13.8	205	16.0	78	10.2
$250-$299	177	8.7	136	10.6	42	5.5
$300 +	262	12.8	254	19.9	8	1.0

TABLE 13

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
BROCKTON CETA

DECEMBER 1978

	ALL PROGRAMS		REGULAR PROGRAMS	PSE
	NUMBER	PERCENT	NUMBER	NUMBER
TOTAL	2038	100.0	1735	295
AGE				
UNDER 20	-	-	-	-
UNDER 25	455	22.3	385	70
25 - 34	564	27.7	468	91
35 - 44	349	17.1	286	63
45 - 54	292	14.3	250	42
55 - 64	237	11.6	211	24
65 & OVER	136	6.7	131	5
I.N.A.	5	.2	5	-
SEX				
MEN	1276	62.6	1067	204
WOMEN	762	37.4	668	91
I.N.A.	-	-	-	-
ETHNIC GROUP				
WHITE	1753	86.0	1495	253
NON-WHITE	55	2.7	42	13
I.N.A.	231	11.3	199	29
SPANISH SURNAME	4	.2	4	-
OCCUPATION				
PROF.,TECH.,MGT	352	17.3	292	57
CLERICAL/SALES	502	24.6	463	36
SERVICES	200	9.8	151	50
FARM,FISH,FOR.	24	1.2	16	8
PROCESSING	23	1.1	21	3
MACHINE TRADES	122	6.0	115	8
BENCH WORK	122	6.0	119	3
STRUCTURAL	346	17.0	291	55
MISC. WORK	347	17.0	268	76
I.N.A.	-	-	-	-
RECENT DURATION				
0-9 WEEKS	1150	56.4	975	170
10-19 WEEKS	564	27.7	467	96
20-29 WEEKS	316	15.5	285	29
30 + WEEKS	8	.4	8	-

TABLE 13
CONTINUED -1

	ALL PROGRAMS		REGULAR PRO-GRAMS	PSE
	NUMBER	PERCENT	NUMBER	NUMBER
INDUSTRY ATTACH.				
MANUFACTURING	415	20.4	413	3
CON. CONSTRUCT	187	9.2	187	-
TRAN./UTIL.	91	4.5	91	-
WHOL/RET.TRADE	517	25.4	517	-
FIN/INS/R.E.	41	2.0	41	-
SERVICES	366	18.0	282	84
GOVERNMENTS	349	17.1	133	209
OTHERS	10	.5	10	-
I.N.A.	62	3.0	62	-
AVE. WEEKLY WAGE				
UNDER $100	256	12.6	240	13
$100 - $149	466	22.9	387	73
$150 - $199	541	26.5	342	198
$200 - $249	282	13.8	272	10
$250 - $299	177	8.7	177	-
$300 OR MORE	262	12.9	262	-
I.N.A.	55	2.7	55	-
SEPARATION REASON				
LAYOFF	1587	77.9	1307	272
QUIT VOL. RET.	8	.4	8	-
QUIT PREGNANCY	3	.1	3	-
QUIT OTHER	89	4.4	86	3
DISCHARGES	268	13.2	248	21
LABOR DISPUTE	3	.1	3	-
OTHER/INA	81	4.0	81	-

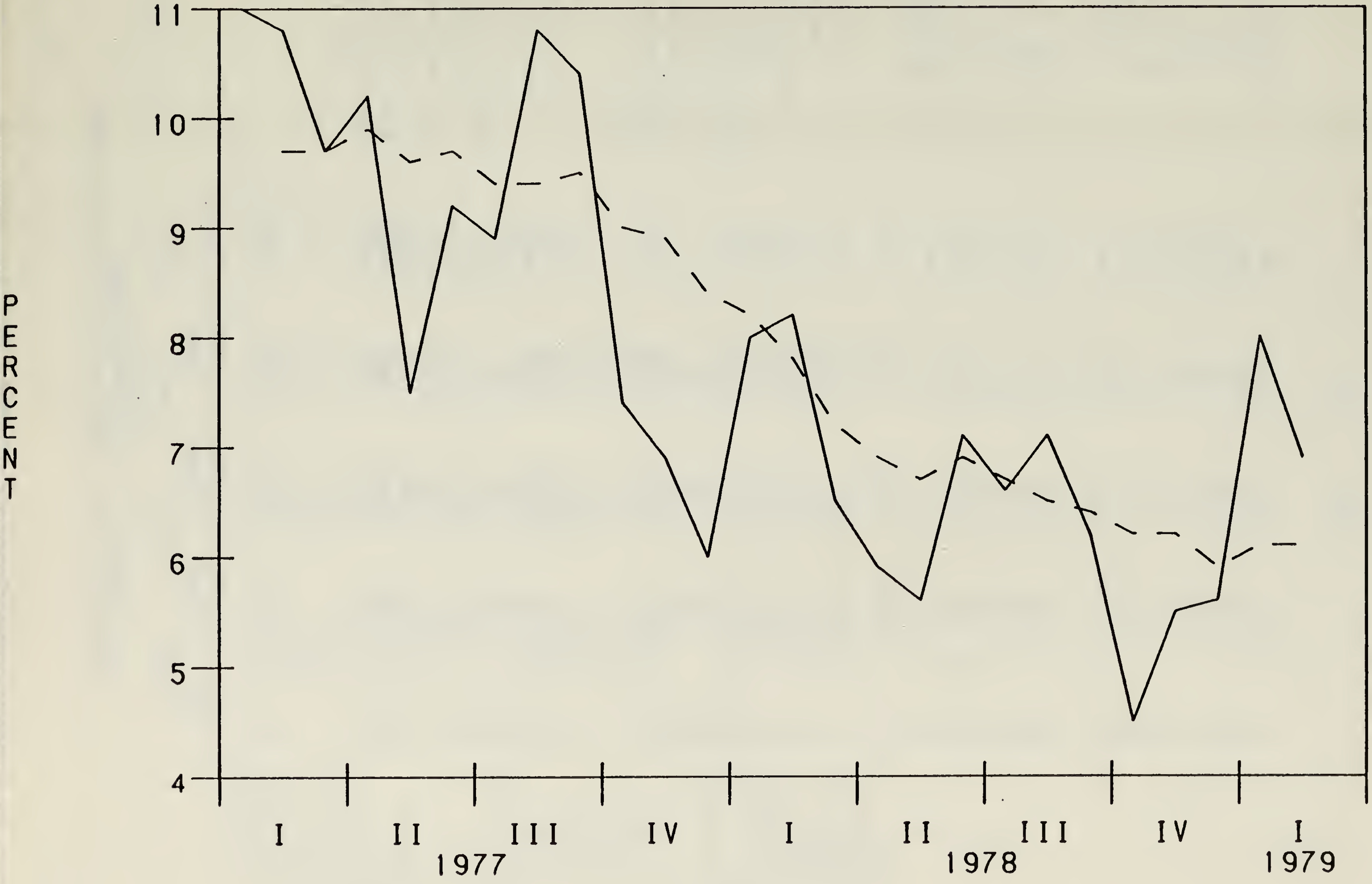
TABLE 14

DURATION MOST RECENT SPELL (ALL PROGRAMS)
BROCKTON CETA

DECEMBER 1978

	TOTAL	0-4 WEEKS	5-14 WEEKS	15-26 WEEKS	27+ WEEKS
TOTAL	2041	669	833	467	72
OCCUPATION					
PROF,TECH,MGT	352	101	166	75	10
CLERICAL/SALES	502	132	193	152	26
SERVICES	200	58	83	59	-
FARM,FISH,FURS	24	13	10	-	-
PROCESSING	23	10	8	5	-
MACHINE TRADES	122	50	42	26	5
BENCH WORK	122	60	34	23	5
STRUCTURAL	346	120	159	54	13
MISC. WORK	349	125	138	73	13
I.N.A.	-	-	-	-	-
INDUSTRY ATTACH.					
MANUFACTURING	418	137	164	98	18
CONSTRUCTION	187	86	70	23	8
TRANS/UTIL	91	37	34	16	5
WHOL/RET/TRADE	517	176	167	146	28
FIN/INS/R.E.	41	10	10	15	5
SERVICES	366	90	195	78	3
GOVERNMENTS	349	107	170	67	5
OTHERS	10	3	8	-	-
I.N.A.	62	23	15	23	-
MALES	1273	447	521	265	41
UNDER 20	-	-	-	-	-
UNDER 25	298	104	130	57	8
25 - 34	358	132	148	67	10
35 - 44	193	52	76	63	3
45 - 54	164	63	70	26	5
55 - 64	169	70	55	36	8
65 & OVER	91	26	42	16	8
FEMALES	762	222	307	203	31
UNDER 20	-	-	-	-	-
UNDER 25	157	42	67	41	8
25 - 34	209	47	94	63	5
35 - 44	156	52	63	41	-
45 - 54	128	47	39	26	16
55 - 64	68	24	26	16	3
65 & OVER	45	10	18	16	-

UNEMPLOYMENT RATE-BROCKTON SMSA
REPORTED (SOLID) VS SIX MONTH MOVING AVERAGE (DASH)



LABOR AREA RESEARCH DEPT.
DIV. OF EMPLOYMENT SECURITY

Supply and Demand of Human Resources

The Taunton Job Bank is the job bank responsible for the Brockton area. The geographical area covered by the Taunton Job Bank spans from just south of Boston all the way to the tip of the Cape. Also included in the job bank area are the New Bedford and Fall River Labor Market areas. The number of openings for the month of April 1979 was 5,433. The largest number of openings were in the service category, which is not unusual. Within the services category the largest amount of openings occurred in educational services category followed by health services.

The average pay for each of the major groups is included in the table. If this is used, however, it should be kept in mind that the wages used are the wage scale posted with the job order, not necessarily the actual wage paid.

Included in this section, also, is a table listing the job orders received and filled for the Brockton SMSA from October 1, 1978 to March 31, 1979. The table breaks the openings received and filled into major industry groupings. A second table is included which gives the wage rate given for the position received or filled by industry grouping.

Table 20 is a ESARS (Employment Service Automated Reporting System) table which categorizes the applicants residing in the Brockton SMSA by sex, veteran status, age and minority status by industry attachment. A key is provided to determine industry attachment. Once again, this table is a cumulative total of applicants in the active file from October 1, 1978 to March 31, 1979.

Table 15

-ES JOB BANK OPENINGS IN REPORTING DISTRICTS
BY OCCUPATIONAL CATEGORY
TAUNTON MASSACHUSETTS
APRIL,1979

OCCUPATIONAL CATEGORY	OPENINGS AVAILABLE				OPENINGS UNFILLED AT MONTH END			
	NUMBER		AVERAGE PAY		TOTAL		UNFILLED 30 DAYS OR MORE	
	CURRENT	LAST MONTH	CURRENT	LAST MONTH	CURRENT	LAST MONTH	CURRENT	LAST MONTH
TOTAL, ALL OCCUPATIONS	5,433	5,068	$ 7,830/YR	$ 7,914/YR	2,786	2,874	1,861	1,296
PROFESSIONAL, TECHNICAL, AND MANAGERIAL	762	808	9,581/YR	9,614/YR	471	554	374	259
CLERICAL AND SALES	1,076	1,009	7,185/YR	7,331/YR	479	547	344	256
SERVICE	1,191	1,176	3.64/HR	3.68/HR	651	757	541	407
FARMING, FISHERY, FORESTRY, AND RELATED	275	204	3.57/HR	3.82/HR	103	105	55	23
PROCESSING	124	83	3.50/HR	3.50/HR	57	45	27	20
MACHINE TRADES	337	343	3.96/HR	3.92/HR	213	158	109	61
BENCH WORK	429	431	3.30/HR	3.22/HR	246	201	123	81
STRUCTURAL WORK	740	601	4.03/HR	4.05/HR	315	327	183	114
MISCELLANEOUS	499	413	3.46/HR	3.46/HR	251	180	105	75

Table 16

--ES JOB BANK OPENINGS IN REPORTING DISTRICTS
AND PERCENT DISTRIBUTION OF JOB BANK OPENINGS BY SELECTED INDUSTRY GROUP
TAUNTON MASSACHUSETTS
APRIL,1979

PAGE 1

SELECTED INDUSTRY GROUP	OPENINGS AVAILABLE	OPENINGS UNFILLED			PERCENT DISTRIBUTION OF OPENINGS		
			30 DAYS OR MORE				
	TOTAL	TOTAL	TOTAL	AS A % OF TOTAL UNFILLED	AVAILABLE	UNFILLED	UNFILLED 30
TOTAL OPENINGS, ALL INDUSTRIES	5,433	2,786	1,861	66.80%	100.00%	100.00%	100.00%
TOTAL AGRICULTURE, FORESTRY, AND FISHING (01-09)	126	37	18	48.65%	2.32%	1.33%	.97%
AGRICULTURAL PRODUCTION--CROPS (01)	47	19	12	63.16%	37.30%	51.35%	66.67%
AGRICULTURAL PRODUCTION--LIVESTOCK (02)	4	2	1	50.00%	3.17%	5.41%	5.56%
AGRICULTURAL SERVICES (07)	69	16	5	31.25%	54.76%	43.24%	27.78%
FISHING, HUNTING, AND TRAPPING (09)	6	0	0	.00%	4.76%	.00%	.00%
TOTAL MINING (10-14)	1	0	0	.00%	.02%	.00%	.00%
MIN. & QUAR. OF NONMET, MIN.,EX. FUELS (14)	1	0	0	.00%	100.00%	.00%	.00%
TOTAL CONSTRUCTION (15-17)	150	67	27	40.30%	2.76%	2.40%	1.45%
BLDG. CONST.-GEN. CONTR. & OPER. BLDR. (15)	48	18	6	33.33%	32.00%	26.87%	22.22%
CONST. OTHER THAN BLDG.-GEN. CONTRACT. (16)	33	16	13	81.25%	22.00%	23.88%	48.15%
CONSTRUCTION--SPECIAL TRADE CONTRACTORS(17)	69	33	8	24.24%	46.00%	49.25%	29.63%
TOTAL MANUFACTURING (20-39)	1,224	666	320	48.05%	22.53%	23.91%	17.20%
DURABLE GOODS (24,25,32-39)	673	328	149	45.43%	54.98%	49.25%	46.56%
LUMBER AND WOOD PROD., EXCEPT FURNITURE(24)	30	20	16	80.00%	4.46%	6.10%	10.74%
FURNITURE AND FIXTURES (25)	2	0	0	.00%	.30%	.00%	.00%
STONE, CLAY, GLASS, AND CONCRETE PROD. (32)	24	5	3	60.00%	3.57%	1.52%	2.01%
PRIMARY METAL INDUSTRIES (33)	31	15	7	46.67%	4.61%	4.57%	4.70%
FAB. MET. PRO., EX. MACH.&TRANS. EQUIP.(34)	98	58	11	18.97%	14.56%	17.68%	7.38%
MACHINERY, EXCEPT ELECTRICAL (35)	86	42	21	50.00%	12.78%	12.80%	14.09%
ELEC. AND ELEC. MACH., EQUIP., AND SUP.(36)	193	65	43	66.15%	28.68%	19.82%	28.86%
TRANSPORTATION EQUIPMENT (37)	24	11	11	100.00%	3.57%	3.35%	7.38%
INSTRUMENTS, OPTICAL GOODS, TIME PIECES(38)	29	17	8	47.06%	4.31%	5.18%	5.37%
MISCELLANEOUS MANUFACTURING INDUSTRIES (39)	156	95	29	30.53%	23.18%	28.96%	19.46%
NONDURABLE GOODS (20-23,26-31)	551	338	171	50.59%	45.02%	50.75%	53.44%
FOOD AND KINDRED PRODUCTS (20)	36	23	11	47.83%	6.53%	6.80%	6.43%
TEXTILE MILL PRODUCTS (22)	81	49	22	44.90%	14.70%	14.50%	12.87%
APPAREL AND OTHER FINISHED PROD.,FAB. (23)	231	149	93	62.42%	41.92%	44.08%	54.39%
PAPER AND ALLIED PRODUCTS (26)	10	8	0	.00%	1.81%	2.37%	.00%
PRINTING, PUBLISHING, AND ALLIED IND. (27)	56	42	15	35.71%	10.16%	12.43%	8.77%
CHEMICALS AND ALLIED PRODUCTS (28)	17	8	3	37.50%	3.09%	2.37%	1.75%
PETROLEUM REFINING AND RELATED IND. (29)	3	1	1	100.00%	.54%	.30%	.58%
RUBBER AND MISC. PLASTICS PRODUCTS (30)	66	35	15	42.86%	11.98%	10.36%	8.77%
LEATHER AND LEATHER PRODUCTS (31)	51	23	11	47.83%	9.26%	6.80%	6.43%

JOB SERVICE

Table 16 (con't)

--ES JOB BANK OPENINGS IN REPORTING DISTRICTS
AND PERCENT DISTRIBUTION OF JOB BANK OPENINGS BY SELECTED INDUSTRY GROUP
TAUNTON MASSACHUSETTS
APRIL,1979

SELECTED INDUSTRY GROUP	OPENINGS AVAILABLE	OPENINGS UNFILLED			PERCENT DISTRIBUTION OF OPENINGS		
			30 DAYS OR MORE				
	TOTAL	TOTAL	TOTAL	AS A % OF TOTAL UNFILLED	AVAILABLE	UNFILLED	UNFILLED 30
TOTAL TRANS., COMM., ELEC., GAS, SAN. SVC (40-49)	78	38	23	60.53%	1.44%	1.36%	1.24%
LOCAL TRANSIT AND INTERURB. HIWWY TRANS(41)	3	2	1	50.00%	3.85%	5.26%	4.35%
MOTOR FREIGHT TRANSPORT. AND WAREHOUS. (42)	45	20	8	40.00%	57.69%	52.63%	34.78%
WATER TRANSPORTATION (44)	11	5	5	100.00%	14.10%	13.16%	21.74%
TRANSPORTATION BY AIR (45)	3	2	0	.00%	3.85%	5.26%	.00%
TRANSPORTATION SERVICES (47)	8	4	4	100.00%	10.26%	10.53%	17.39%
COMMUNICATION (48)	1	0	[illegible]	.00%	1.28%	.00%	.00%
ELECTRIC, GAS, AND SANITARY SERVICES (49)	7	5	5	100.00%	8.97%	13.16%	21.74%
TOTAL WHOLESALE TRADE (50-51)	118	54	19	35.19%	2.17%	1.94%	1.02%
WHOLESALE TRADE--DURABLE GOODS (50)	80	39	12	30.77%	67.80%	72.2	63.16%
WHOLESALE TRADE--NONDURABLE GOODS (51)	38	15	7	46.67%	32.20%	27.78%	36.84%
TOTAL RETAIL TRADE (52-59)	539	184	106	57.61%	9.92%	6.60%	5.70%
BLDG. MAT., HW, GAR. SUP., MOB.HM DEAL(52)	32	13	9	69.23%	5.94%	7.07%	8.49%
GENERAL MERCHANDISE STORES (53)	20	16	13	81.25%	3.71%	8.70%	12.26%
FOOD STORES (54)	117	26	24	92.31%	21.71%	14.13%	22.64%
AUTOMOTIVE DEALERS AND GAS SVC. STATION(55)	59	38	22	57.89%	10.95%	20.65%	20.75%
APPAREL AND ACCESSORY STORES (56)	14	7	4	57.14%	2.60%	3.80%	3.77%
FURNITURE, HOME FUR. & EQUIP. STORES (57)	11	6	3	50.00%	2.04%	3.26%	2.83%
EATING AND DRINKING PLACES (58)	128	59	17	28.81%	23.75%	32.07%	16.04%
MISCELLANEOUS RETAIL (59)	158	19	14	73.68%	29.31%	10.33%	13.21%
TOTAL FINANCE, INSURANCE, AND REAL ESTATE (60-67)	68	42	12	28.57%	1.25%	1.51%	.64%
BANKING (60)	10	9	0	.00%	14.71%	21.43%	.00%
CREDIT AGENCIES OTHER THAN BANKS (61)	4	2	2	100.00%	5.88%	4.76%	16.67%
SEC.&COMMOD. BRK., DEAL., EXCHG., & SVCS.(62)	2	2	1	50.00%	2.94%	4.76%	8.33%
INSURANCE (63)	17	14	6	42.86%	25.00%	33.33%	50.00%
INSURANCE AGENTS, BROKERS, AND SERVICE (64)	11	3	0	.00%	16.18%	7.14%	.00%
REAL ESTATE (65)	21	11	3	27.27%	30.88%	26.19%	25.00%
COMB. REAL EST., INS., LOANS,LAW OFFICE(66)	3	1	0	.00%	4.41%	2.38%	.00%
TOTAL SERVICES (70-89)	702	358	249	69.55%	12.92%	12.85%	13.38%
HOTELS, ROOMING HOUSES, CAMPS AND REL. (70)	42	16	9	56.25%	5.98%	4.47%	3.61%
PERSONAL SERVICES (72)	39	30	11	36.67%	5.56%	8.38%	4.42%
BUSINESS SERVICES (73)	51	31	11	35.48%	7.26%	8.66%	4.42%
AUTOMOTIVE REPAIR, SERVICES, & GARAGES (75)	26	10	6	60.00%	3.70%	2.79%	2.41%
MISCELLANEOUS REPAIR SERVICES (76)	15	11	6	54.55%	2.14%	3.07%	2.41%

JOB SERVICE

Table 16 (con't)

--ES JOB BANK OPENINGS IN REPORTING DISTRICTS
AND PERCENT DISTRIBUTION OF JOB BANK OPENINGS BY SELECTED INDUSTRY GROUP
TAUNTON MASSACHUSETTS
APRIL,1979

SELECTED INDUSTRY GROUP	OPENINGS AVAILABLE	OPENINGS UNFILLED			PERCENT DISTRIBUTION OF OPENINGS		
			30 DAYS OR MORE				
	TOTAL	TOTAL	TOTAL	AS A % OF TOTAL UNFILLED	AVAILABLE	UNFILLED	UNFILLED 30
TOTAL SERVICES (70-89)							
AMUSEMENT AND RECR. SVC. EXCEPT MOVIES (79)	39	8	4	50.00%	5.56%	2.23%	1.61%
HEALTH SERVICES (80)	57	29	16	55.17%	8.12%	8.10%	6.43%
LEGAL SERVICES (81)	9	4	3	75.00%	1.28%	1.12%	1.20%
EDUCATIONAL SERVICES (82)	342	166	153	92.17%	48.72%	46.37%	61.45%
SOCIAL SERVICES (83)	25	18	13	72.22%	3.56%	5.03%	5.22%
MUSEUMS, GALLERIES, BOTAN. GARDENS,ZOOS(84)	2	1	1	100.00%	.28%	.28%	.40%
MEMBERSHIP ORGANIZATIONS (86)	5	3	3	100.00%	.71%	.84%	1.20%
PRIVATE HOUSEHOLDS (88)	16	5	5	100.00%	2.28%	1.40%	2.01%
MISCELLANEOUS SERVICES (89)	34	26	8	30.77%	4.84%	7.26%	3.21%
TOTAL PUBLIC ADMINISTRATION (91-97)	2,427	1,340	1,087	81.12%	44.67%	48.10%	58.41%
EXEC., LEGIS., AND GENL GOVMT, EXC FIN.(91)	11	8	7	87.50%	.45%	.60%	.64%
JUSTICE, PUBLIC ORDER, AND SAFETY (92)	16	7	5	71.43%	.66%	.52%	.46%
PUBLIC FINANCE,TAX. AND MONETARY POLICY(93)	3	0	0	.00%	.12%	.00%	.00%
ADMINISTRATION OF HUMAN RESOURCES PGMS.(94)	2,371	1,309	1,066	81.44%	97.69%	97.69%	98.07%
ADMIN. OF ENVIR. QUAL. & HOUSING PGMS. (95)	22	12	7	58.33%	.91%	.90%	.64%
ADMINISTRATION OF ECONOMIC PROGRAMS (96)	2	2	1	50.00%	.08%	.15%	.09%
NATIONAL SECURITY AND INTERNAT. AFFAIRS(97)	2	2	1	50.00%	.08%	.15%	.09%

Table 17

--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY SELECTED INDUSTRY GROUP
TAUNTON MASSACHUSETTS
APRIL,1979

SELECTED INDUSTRY GROUP	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
TOTAL OPENINGS, ALL INDUSTRIES	5,433	$ 7,830	2,786	$ 8,016	1,861	$ 8,166
TOTAL AGRICULTURE, FORESTRY, AND FISHING (01-09)	126	6,888	37	6,945	18	6,766
AGRICULTURAL PRODUCTION--CROPS (01)	47	6,697	19	6,891	12	6,639
AGRICULTURAL PRODUCTION--LIVESTOCK (02)	4	8,320	2	7,280	1	0
AGRICULTURAL SERVICES (07)	69	6,953	16	6,988	5	7,072
FISHING, HUNTING, AND TRAPPING (09)	6	0	0	0	0	0
TOTAL MINING (10-14)	1	7,280	0	0	0	0
MIN. & QUAR. OF NONMET, MIN.,EX. FUELS (14)	1	7,280	0	0	0	0
TOTAL CONSTRUCTION (15-17)	150	8,843	67	8,842	27	8,295
BLDG. CONST.-GEN. CONTR. & OPER. BLDR. (15)	48	8,597	18	9,591	6	9,187
CONST. OTHER THAN BLDG.-GEN. CONTRACT. (16)	33	8,934	16	7,758	13	7,749
CONSTRUCTION--SPECIAL TRADE CONTRACTORS(17)	69	8,971	33	8,959	8	8,515
TOTAL MANUFACTURING (20-39)	1,224	7,407	666	7,681	320	7,899
DURABLE GOODS (24,25,32-39)	673	7,571	328	7,868	149	8,072
LUMBER AND WOOD PROD., EXCEPT FURNITURE(24)	30	7,360	20	7,436	16	7,566
FURNITURE AND FIXTURES (25)	2	6,760	0	0	0	0
STONE, CLAY, GLASS, AND CONCRETE PROD. (32)	24	8,565	5	7,877	3	7,603
PRIMARY METAL INDUSTRIES (33)	31	7,892	15	8,089	7	8,704
FAB. MET. PRO., EX. MACH.&TRANS. EQUIP.(34)	98	8,536	58	8,776	11	10,074
MACHINERY, EXCEPT ELECTRICAL (35)	86	8,015	42	8,386	21	8,284
ELEC. AND ELEC. MACH., EQUIP., AND SUP.(36)	193	7,437	65	8,569	43	8,634
TRANSPORTATION EQUIPMENT (37)	24	7,254	11	7,441	11	7,441
INSTRUMENTS, OPTICAL GOODS, TIME PIECES(38)	29	8,029	17	8,729	8	8,771
MISCELLANEOUS MANUFACTURING INDUSTRIES (39)	156	6,683	95	6,557	29	6,548
NONDURABLE GOODS (20-23,26-31)	551	7,205	338	7,496	171	7,748
FOOD AND KINDRED PRODUCTS (20)	36	8,017	23	7,966	11	7,980
TEXTILE MILL PRODUCTS (22)	81	7,240	49	7,640	22	8,518
APPAREL AND OTHER FINISHED PROD.,FAB. (23)	231	6,880	149	7,075	93	6,983
PAPER AND ALLIED PRODUCTS (26)	10	7,062	8	6,916	0	0
PRINTING, PUBLISHING, AND ALLIED IND. (27)	56	8,398	42	8,914	15	11,749
CHEMICALS AND ALLIED PRODUCTS (28)	17	8,578	8	9,165	3	7,107
PETROLEUM REFINING AND RELATED IND. (29)	3	7,280	1	7,280	1	7,280
RUBBER AND MISC. PLASTICS PRODUCTS (30)	66	7,034	35	7,347	15	7,499
LEATHER AND LEATHER PRODUCTS (31)	51	6,622	23	6,819	11	7,549
TOTAL TRANS., COMM., ELEC., GAS, SAN. SVC (40-49)	78	8,096	38	8,626	23	8,162

Table 17 (con't)

--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY SELECTED INDUSTRY GROUP
TAUNTON MASSACHUSETTS
APRIL,1979

SELECTED INDUSTRY GROUP	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
TOTAL TRANS., COMM., ELEC., GAS, SAN. SVC (40-49)						
LOCAL TRANSIT AND INTERURB. HIWWY TRANS(41)	3	$ 10,844	2	$ 11,700	1	$ 10,920
MOTOR FREIGHT TRANSPORT. AND WAREHOUS. (42)	45	7,983	20	8,097	8	8,294
WATER TRANSPORTATION (44)	11	6,786	5	6,864	5	6,864
TRANSPORTATION BY AIR (45)	3	13,440	2	16,000	0	0
TRANSPORTATION SERVICES (47)	8	6,032	4	6,032	4	6,032
COMMUNICATION (48)	1	6,500	0	0	0	0
ELECTRIC, GAS, AND SANITARY SERVICES (49)	7	9,731	5	10,400	5	10,400
TOTAL WHOLESALE TRADE (50-51)	118	7,416	54	7,345	19	7,467
WHOLESALE TRADE--DURABLE GOODS (50)	80	7,671	39	7,558	12	7,619
WHOLESALE TRADE--NONDURABLE GOODS (51)	38	6,865	15	6,793	7	7,206
TOTAL RETAIL TRADE (52-59)	539	6,676	184	7,233	106	7,066
BLDG. MAT., HW, GAR. SUP., MOB.HM DEAL(52)	32	7,028	13	7,480	9	7,569
GENERAL MERCHANDISE STORES (53)	20	6,286	16	6,226	13	6,064
FOOD STORES (54)	117	6,151	26	6,376	24	6,257
AUTOMOTIVE DEALERS AND GAS SVC. STATION(55)	59	7,612	38	7,997	22	7,917
APPAREL AND ACCESSORY STORES (56)	14	6,912	7	6,985	4	7,453
FURNITURE, HOME FUR. & EQUIP. STORES (57)	11	7,724	6	8,528	3	9,083
EATING AND DRINKING PLACES (58)	128	6,898	59	7,082	17	7,163
MISCELLANEOUS RETAIL (59)	158	6,441	19	7,672	14	7,158
TOTAL FINANCE, INSURANCE, AND REAL ESTATE (60-67)	68	7,999	42	7,731	12	8,413
BANKING (60)	10	6,756	9	6,837	0	0
CREDIT AGENCIES OTHER THAN BANKS (61)	4	7,973	2	8,060	2	8,060
SEC.&COMMOD. BRK., DEAL., EXCHG., & SVCS.(62)	2	8,140	2	8,140	1	9,000
INSURANCE (63)	17	8,054	14	8,132	6	9,433
INSURANCE AGENTS, BROKERS, AND SERVICE (64)	11	8,245	3	6,136	0	0
REAL ESTATE (65)	21	8,585	11	8,197	3	6,413
COMB. REAL EST., INS., LOANS,LAW OFFICE(66)	3	6,933	1	6,760	0	0
TOTAL SERVICES (70-89)	702	8,339	358	8,875	249	9,074
HOTELS, ROOMING HOUSES, CAMPS AND REL. (70)	42	7,385	16	7,384	9	7,788
PERSONAL SERVICES (72)	39	6,676	30	6,710	11	6,391
BUSINESS SERVICES (73)	51	6,821	31	6,831	11	6,903
AUTOMOTIVE REPAIR, SERVICES, & GARAGES (75)	26	7,546	10	8,095	6	8,327
MISCELLANEOUS REPAIR SERVICES (76)	15	7,530	11	7,762	6	7,124
AMUSEMENT AND RECR. SVC. EXCEPT MOVIES (79)	39	7,688	8	6,032	4	6,032
HEALTH SERVICES (80)	57	7,577	29	8,075	16	6,949
LEGAL SERVICES (81)	9	7,539	4	6,955	3	7,020
EDUCATIONAL SERVICES (82)	342	8,997	166	9,860	153	9,866

Table 17 (con't)

--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY SELECTED INDUSTRY GROUP
TAUNTON MASSACHUSETTS
APRIL,1979

SELECTED INDUSTRY GROUP	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
TOTAL SERVICES (70-89)						
SOCIAL SERVICES (83)	25	$ 8,701	18	$ 8,888	13	$ 8,177
MUSEUMS, GALLERIES, BOTAN. GARDENS,ZOOS(84)	2	7,426	1	7,425	1	7,425
MEMBERSHIP ORGANIZATIONS (86)	5	7,721	3	7,442	3	7,442
PRIVATE HOUSEHOLDS (88)	16	6,476	5	7,124	5	7,124
MISCELLANEOUS SERVICES (89)	34	10,993	26	11,720	8	12,928
TOTAL PUBLIC ADMINISTRATION (91-97)	2,427	8,141	1,340	8,068	1,087	8,174
EXEC., LEGIS., AND GENL GOVMT, EXC FIN.(91)	11	9,570	8	9,910	7	10,377
JUSTICE, PUBLIC ORDER, AND SAFETY (92)	16	9,232	7	9,656	5	9,886
PUBLIC FINANCE,TAX. AND MONETARY POLICY(93)	3	9,747	0	0	0	0
ADMINISTRATION OF HUMAN RESOURCES PGMS.(94)	2,371	8,112	1,309	8,024	1,066	8,130
ADMIN. OF ENVIR. QUAL. & HOUSING PGMS. (95)	22	9,138	12	10,121	7	10,354
ADMINISTRATION OF ECONOMIC PROGRAMS (96)	2	7,997	2	7,997	1	8,827
NATIONAL SECURITY AND INTERNAT. AFFAIRS(97)	2	11,679	2	11,679	1	15,038

TABLE 18 03/31/79 MASSACHUSETTS SMSA 1200

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATION AND SPECIFIED TYPES

ITEM NO	ITEM	TOTAL NONAG AND AG	NONAGRICULTURAL			AGRICULTURAL			SPECIAL CLASS OF OPENINGS					
			OVER 150 DAYS	4 TO 150 DAYS	3 DAYS OR LESS	OVER 150 DAYS	4 TO 150 DAYS	3 DAYS OR LESS	APPREN-TICE-SHIP	CETA/ OJT	CETA/ PSE	CETA WORK EXP	WIN/ OJT	WIN/ PSE
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	OPENINGS RECEIVED													
A07010	TOTAL	3244	1988	1173	48	35	0	0	0	0	590	0	20	
A07015	0-1 PROF TECH MGR	260	206	36	18	0	0	0	0	0	104	0	4	
A07020	20-24 CLERICAL	416	395	21	0	0	0	0	0	0	136	0	1	
A07025	25-29 SALES	54	50	1	0	3	0	0	0	0	0	0	0	
A07030	30 DOMESTIC	13	9	4	0	0	0	0	0	0	1	0	0	
A07035	31-39 OTHER SERVICES	490	469	5	16	0	0	0	0	0	254	0	2	
A07040	4 FARM F & F	1073	30	1021	0	22	0	0	0	0	20	0	1	
A07045	5 PROCESSING	119	55	64	0	0	0	0	0	0	1	0	1	
A07050	6 MACHINE TRADES	201	200	0	0	1	0	0	0	0	8	0	5	
A07055	7 BENCH WORK	148	147	1	0	0	0	0	0	0	0	0	1	
A07060	8 STRUCTURAL	159	150	5	1	3	0	0	0	0	53	0	4	
A07065	90-91 MOTOR FRGT, TRANSP	67	59	1	7	0	0	0	0	0	7	0	1	
A07070	92 PKG MTRL HNDL	221	195	14	6	6	0	0	0	0	1	0	0	
A07075	93-97 OTHER	23	23	0	0	0	0	0	0	0	5	0	0	
	OPENINGS FILLED													
A07085	TOTAL	1145	922	161	47	9	6	0	0	0	159	0	20	
A07090	0-1 PROF TECH MGR	137	83	36	18	0	0	0	0	0	32	0	4	
A07095	20-24 CLERICAL	212	198	14	0	0	0	0	0	0	53	0	1	
A07100	25-29 SALES	14	14	0	0	0	0	0	0	0	0	0	0	
A07105	30 DOMESTIC	13	9	4	0	0	0	0	0	0	1	0	0	
A07110	31-39 OTHER SERV	141	121	5	15	0	0	0	0	0	22	0	2	
A07115	4 FARM F & F	38	8	21	0	3	6	0	0	0	7	0	1	
A07120	5 PROCESSING	98	35	63	0	0	0	0	0	0	1	0	1	
A07125	6 MACHINE TRADES	96	95	0	0	1	0	0	0	0	1	0	5	
A07130	7 BENCH WORK	70	68	2	0	0	0	0	0	0	0	0	1	
A07135	8 STRUCTURAL	103	95	4	1	3	0	0	0	0	31	0	4	
A07140	90-91 MOTOR FRGT, TRANSP	45	37	1	7	0	0	0	0	0	6	0	1	
A07145	92 PKG MTRL HNDL	163	144	11	6	2	0	0	0	0	1	0	0	
A07150	93-97 OTHER	15	15	0	0	0	0	0	0	0	4	0	0	

SMSA 1200

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/79

TABLE 19 03/31/79 MASSACHUSETTS SMSA 1200

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM	TOTAL NONAG AND AG.	UNDER $2.65	$2.65- $2.99	$3.00- $3.49	$3.50- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00 & OVER	AVERAGE	OTHER*
A	B	C	D	E	F	G	H	I	J	K	L	M	N
	OPENINGS RECEIVED												
B07010	TOTAL	3244	4	1450	726	317	497	76	51	8	80	3.35	35
B07015	0-1 PROF TECH MGR	260	0	0	87	40	75	14	3	2	21	4.12	18
B07020	20-24 CLERICAL	416	0	67	177	89	59	16	0	1	7	3.68	0
B07025	25-29 SALES	54	0	18	14	4	5	6	2	0	4	3.71	1
B07030	30 DOMESTIC	13	0	8	5	0	0	0	0	0	0	2.91	0
B07035	31-39 OTHER SERV	490	3	108	65	20	263	6	7	0	2	3.71	16
B07040	4 FARM F & F	1073	0	1036	10	8	17	2	0	0	0	2.69	0
B07045	5 PROCESSING	119	1	12	94	9	0	1	2	0	0	3.21	0
B07050	6 MACHINE TRADES	201	0	46	58	36	20	10	11	1	19	3.80	0
B07055	7 BENCH WORK	148	0	56	56	28	7	1	0	0	0	3.15	0
B07060	8 STRUCTURAL	159	0	5	53	26	29	14	6	3	23	4.14	0
B07065	90-91 MOTOR FRGT, TRANSP	67	0	12	15	6	11	5	14	1	3	3.99	0
B07070	92 PKG MTRL HNDL	221	0	82	88	36	11	1	2	0	1	3.25	0
B07075	93-97 OTHER	23	0	0	4	15	0	0	4	0	0	3.81	0
	OPENINGS FILLED												
B07085	TOTAL	1145	3	262	488	147	116	34	37	3	32	3.50	23
B07090	0-1 PROF TECH MGR	137	0	0	77	9	25	4	1	0	3	3.51	18
B07095	20-24 CLERICAL	212	0	53	98	28	15	12	1	0	5	3.65	0
B07100	25-29 SALES	14	0	3	4	0	3	0	3	0	1	4.19	0
B07105	30 DOMESTIC	13	0	8	5	0	0	0	0	0	0	2.91	0
B07110	31-39 OTHER SERV	141	1	53	39	10	23	2	7	0	1	3.43	5
B07115	4 FARM F & F	38	1	26	4	1	6	0	0	0	0	2.96	0
B07120	5 PROCESSING	98	1	8	80	6	0	1	2	0	0	3.23	0
B07125	6 MACHINE TRADES	96	0	13	38	21	9	7	5	0	3	3.55	0
B07130	7 BENCH WORK	70	0	26	29	10	4	0	0	0	1	3.15	0
B07135	8 STRUCTURAL	103	0	6	43	18	12	4	4	2	14	3.92	0
B07140	90-91 MOTOR FRGT, TRANSP	45	0	3	9	4	11	3	11	1	3	4.29	0
B07145	92 PKG MTRL HNDL	163	0	63	62	26	8	1	2	0	1	3.27	0
B07150	93-97 OTHER	15	0	0	0	14	0	0	1	0	0	3.72	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

SMSA 1200 MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/79

TABLE 20 03/31/79 MASSACHUSETTS SMSA 1200

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS-TERED APPS ACTIVE ANYTIME THIS FY	ACTIVE FILE							NONAGRICULTURAL OPENINGS				
			TOTAL	FEMALE	VETERAN	AGE GROUPS		MINOR-ITY	ECONOM-ICALLY DISAD-VANT-AGED	TOTAL RE-CEIVED	OPENING REC'D FEDERAL CON-TRACTOR JOB LISTING	OPENING FILLED	UNFILLED OPEN	
						UNDER 22	45 AND OLDER						TOTAL	30 DAYS OR MORE
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
96	TOTAL	11681	6161	3105	1012	839	1134	511	3758	3209	1558	1130	1876	1562
96	0-1	1287	544	213	140	19	122	35	150	260	74	137	122	82
96	00-16	801	335	152	73	10	66	25	98	146	62	70	72	43
96	18	358	165	37	56	9	46	5	34	27	10	13	12	9
96	19	128	44	24	11	0	10	5	18	87	2	54	38	30
96	2	2373	1114	893	83	156	200	75	525	450	105	209	233	164
96	20-24	1924	899	785	37	122	148	67	445	399	100	195	195	135
96	25-29	449	215	108	46	34	52	8	80	51	5	14	38	29
96	3	1457	683	468	74	113	110	66	433	503	60	154	429	325
96	30	74	46	43	0	3	14	9	40	13	4	13	5	4
96	31-39	1383	637	425	74	110	96	57	393	490	56	141	424	321
96	4	102	62	3	13	10	15	3	22	1051	1019	29	33	26
96	5	197	60	11	9	17	8	8	23	119	76	98	31	28
96	6	595	282	69	60	69	41	23	106	195	54	94	117	87
96	7	438	212	133	20	26	48	27	114	148	54	70	102	70
96	8	968	519	22	127	123	59	26	168	147	17	93	120	114
96	9	1792	795	268	132	205	114	79	371	305	95	221	143	123
96	90-91	438	201	24	67	21	26	11	70	67	5	45	22	16
96	92	1293	565	232	59	182	82	65	289	215	74	161	115	101
96	93-97	61	29	12	6	2	6	3	12	23	16	15	6	6
96	X-ENTRY TOTAL	201	151	97	14	20	25	14	146	0	0	0	0	0
96	0-1	5	4	2	0	0	1	1	3	0	0	0	0	0
96	2	10	9	9	0	2	2	0	9	0	0	0	0	0
96	3	4	3	1	0	1	0	1	2	0	0	0	0	0
96	6	1	0	0	0	0	0	0	0	0	0	0	0	0
96	7	4	3	3	0	0	0	1	3	0	0	0	0	0
96	9	177	132	82	14	17	22	11	129	0	0	0	0	0

SMSA 1200

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/79

Key to Table

0-1		Professional, Technical and Managerial Occupations
	00-16	Professional and Technical
	18	Managers and Officials N.E.C.
	19	Misc., Professional, Technical and Managerial Occupations
2		Clerical and Sales Occupations
	20-24	Clerical Occupations
	25-29	Sales Occupations
3		Service Occupations
	30	Domestic Occupations
	31-39	Other Service Occupations
4		Agriculture, Fishery, Forestry and Related Occupations
5		Processing Occupations
6		Machine Trades Occupations
7		Benchwork Occupations
8		Structural Work Occupations
9		Miscellaneous Occupations
	90-91	Motor Freight and Transportation
	92	Packaging and Material Handling
	93-97	Other Misc. Occupations

Employment Outlook by Industry

Nonagricultural wage and salary employment for the calendar year 1978 was 56,800 which was an increase of 6.6 percent over calendar year 1977. Over the year, the wage and salary figures in the manufacturing sector posted an increase of 4.3 percent. In the Brockton SMSA, the employment in the manufacturing sector accounts for 21.3 percent of the nonagricultural wage and salary employment. This can be compared to a ratio of 25.9 percent for the State of Massachusetts and 23.7 percent for the United States ratio. The ratio of manufacturing employment has been decreasing steadily over the years as the area's employment base shifts from the reliance on manufacturing industries to service and trade industries. The decreases, however, have not been dramatic, and with the concerted effort to recruit manufacturing firms to the area the ratio may, in the near future, again increase. As an example of this, the state has experienced during the calendar year a slight increase in the manufacturing-to-total-employment ratio.

Durable Goods

The largest percentage gain in employment was in the durable goods sector as compared to nondurable goods. The durable goods sector employment increased 5.3 percent over the year (1978) while nondurable industries posted an increase of 3.3 percent. The increase posted in the durable goods sector was slightly less than the increase for the past year (1976 to 1977) but this could be expected as firms begin to level off in employment after the buildup from the 1974 - 1975 recession period. Among the leaders in the durable goods sector (percentage wise) are the Transportation Equipment Sector (SIC code 37) with an increase of 26.7 percent and the Furniture and Fixtures groups (SIC code 25) with an increase of 25.9 percent.

The Transportation Equipment Sector includes motor vehicle, truck and bus bodies, as well as the manufacturing of motor vehicle parts and accessories. Truck trailer manufacturing is also included in this group. Aircraft, aircraft parts, ship and boat building and repairing, and railroad equipment, along with motorcycles, bicycles and parts make up the remainder of the group. Although the percentage may be fairly large, the actual numbers for the total employment may be small. It can be expected that over the next year, employment may increase slightly in this group due to the need for more transportation equipment.

The furniture and fixtures group includes establishments engaged in manufacturing household, office, public building, and restaurant furniture; and office and store fixtures. Once again, this particular sector shows a large percentage gain but total employment is small. The total employment is only approximately 1 percent of the total nonagricultural wage and salary. As with the previous group, this group can be expected to increase slightly in employment. The basis for this outlook is the fact that retail and wholesale trade is expected to grow, thereby calling for more of the products from this group.

The lumber and wood products group includes logging camps; merchant sawmills, lathe mills, shingle mills, cooperage stock mills, planing mills, and plywood mills and veneer mills engaged in producing lumber and wood basic materials; and establishments engaged in manufacturing finished articles made entirely or mainly of wood or wood substitutes. The employment in this group increased by 9.3 percent although the increase in real numbers was small. Once again, the employment in this particular grouping could be expected to increase as the need for more wood products increases due to the increase in population within the SMSA.

The next to largest employment group in the nondurable goods sector is the electrical machinery grouping. This particular group includes establishments engaged in manufacturing machinery, apparatus, and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy. The manufacture of household appliances is included in this group, but industrial machinery and equipment powered by, built in, or detachable electric motors is classified elsewhere. This group showed an increase of 7.5 percent over the calendar year 1978 compared to 1977. This increase was smaller than the previous year's increase which was 12.5 percent. An increase should be expected during the next year but not much more than this year if even that percentage is reached.

The instrument grouping (SIC 38) showed an increase of 6.6 percent for the comparison of 1978 to 1977. This major group is the largest durable goods employment group in the Brockton SMSA. In fact, nearly 11 percent of the manufacturing employment for 1978 is credited to this group. The percentage increase in employment for this group was 6.6 percent. This was a slight increase in real numbers, however. With forecasts predicting a drop in durable goods orders, this group can be expected to show maybe a slight increase for the future, but it should, barring any severe economic downswings, at least manage to hold its own levels of employment.

The other groups showing small increases in employment were primary metals, fabricated metals and machinery other than electrical. All three groupings showed somewhere around two to four percent increases. However, in real numbers, the increase of all three was less than one hundred jobs. All three groups should maintain present levels of employment in the near future.

The only durable goods grouping to show a loss over the year is the stone, clay and glass grouping. This group showed a fairly large percentage decrease (24.2 percent) but in actual job numbers the decrease was only a little over 30 jobs. The grouping includes establishments engaged in manufacturing products from materials taken principally from the earth in the form of stone, clay and sand. The best outlook for this industry is possibly the return to last year's levels.

Nondurable Goods

The total percentage growth among the nondurable goods employment over the year 1977 to 1978 was 3.3 percent. This was more than the growth for the year 1976 to 1977. The growth in actual jobs was an increase of over 200 new jobs.

The largest increase in both percentage and actual numbers in employment among nondurables was in the textile industry. The percentage increase was 21.7 percent. This particular industry includes establishments performing preparation of fiber and yarn; manufacture of yarn and fabric; dying of fabric or yarn; manufacture of knit apparel and the manufacture of felt and lace goods, nonwoven fabrics and miscellaneous textiles. From past trends, it can be assumed that this industry will continue to exhibit some growth in the immediate future.

Another industry showing a double digit percentage growth (12.5 percent) was the rubber and plastics grouping. However, this industry could possibly experience some difficulties with the onslaught of high oil prices. This industry accounts for slightly more than 6 percent of the total manufacturing employment.

The paper industry and the printing industry both posted increases of approximately 8 percent over the year. Both industries can be expected, in a short term outlook to sustain their present levels of employment possibly even showing some increase.

The apparel grouping and the food and kindred products grouping virtually remained stable in employment figures over the year. The apparel industry accounted for over 12 percent of the manufacturing employment. In 1977, the apparel industry in Brockton, as a city alone, was responsible for 3.2 percent of the apparel related jobs in the Commonwealth. A slight increase in both groupings would appear to be a safe prediction.

The only grouping showing a decrease in the nondurable sector was the leather and leather products grouping. This industry has steadily been losing employment over the past few years due to imports and the shifting of the industry to cheaper labor markets. The group will probably continue to lose employment although not as rapidly as in the past.

Nonmanufacturing

In nonmanufacturing industry groupings, the largest gain in employment, percentage-wise, was in the construction industry. The gain in employment was 178 jobs, or 10.7 percent. This is a surprise of kinds in that the industry seemed to be in dire straights. The amount of building and remodeling in the Brockton area may account for the increase. If the renewal projects continue additional jobs may be created during the next year.

The Retail Trade sector accounted for over 600 new jobs over the year 1978. This was an increase of 4.7 percent from the previous year. As the gas shortage and increase in fuel prices continues, more local jobs may be created in retail stores as people shop closer to their residences.

The F.I.R.E. (Finance, Insurance and Real Estate) grouping increased in employment by 5.9 percent over the year 1978. This was a numerical increase of about 200 jobs. This grouping again could post an increase as the need for more financial managers becomes a reality.

The services grouping showed an increase of 2.6 percent, or about 200 jobs. The medical grouping, within the larger group, showed a percentage increase of 2.7 percent for the year. Over half of the actual increase was in this medical area. Employment should remain stable with a possibility of a small increase during the coming year.

The only grouping showing a decrease was the Transportation, Communications and Public Utilities. This will probably hold true in the coming year also. The loss was small (0.6 percent), and will probably be equivalent to any loss during 1980.

Overall, nonmanufacturing increased employment by 4.1 percent over the year. The growth over the next fiscal year, barring any major economic recessions, should be around the same for the projected fiscal year.

Employment Developments and Outlook by Occupation

A. Short Term Outlook

One possible indicator available to forecast the short-term outlook would be an analysis of the positions filled by quarter over the past year. A table with the placements made by SMSA for the past four quarters is included in this section. A quick glance at the table will show that clerical occupations are quite high throughout the year. Packaging and material handling positions are also included in categories which show a persistent need for people. These two categories are usually "high demand" occupational categories for the Brockton SMSA. The other services category is a high demand due mostly to the medical and educational services occupations demand.

B. Long Term Outlook - Occupational Projections to 1985

In order to calculate occupational projections it was first necessary to project employment for industry groups. A model developed by the Bureau of Labor Statistics was employed to make these industry projections. The occupational projections for areas with a population under 250,000 were then prepared using the following method of a single "Balance of State" matrix. The balance of State matrix was developed by subtracting the 1970 major area matrices (Boston, Worcester and Springfield) from the 1970 state matrix. The Boston (balance of state) matrix was then updated to 1974 and projected to 1985 by applying to each cell a national change factor calculated from the corresponding cells in the national matrix. Next, the staffing patterns for 1970, 1974 and 1985 were applied to each industry.

Finally, 1970 to 1974 and 1974 to 1985 change factors were computed for each occupation and applied to independently estimated 1970 area occupational estimates. The resulting occupational projections were then carefully reviewed for reasonableness and modified when needed to bring them into consistency with known labor market factors.

In addition to computing growth estimates, replacement needs expected as a result of deaths, retirements and other separations from the labor force were derived. The separation rates for each occupation were developed by the Bureau of Labor Statistics based on The Decennial Census, national working-life tables, expected changes in mortality rates and projected labor force participation rates. Applying the separation rates to the employment estimates produced annual replacement needs to 1985.

Adding the replacement needs to the demand due to growth gives total demand for the occupational categories.

The projections arrived at are based on the assumptions that: (1) the institutional framework of the U. S. economy will not change radically; (2) the current, social, technological and scientific trends will continue, including values placed on work, education, income and leisure; (3) no major event such as widespread or long-lasting energy shortages or war will significantly alter the industrial structure of the economy or alter the rate of economic growth and (4) the economy will gradually recover from the high unemployment levels of the mid - 1970's.

In the professional and technical fields the increase in employment due to growth between 1974 and 1985 will be 16.1 percent. Highlights in this category are health technologists and technicians (47.6 percent), medical workers, except technicians (25.2 percent). and social scientists (30.0 percent). The overall category of teachers projects a growth demand loss of 2.8 percent but this is because of a 15.2 percent loss in secondary school teachers whereas every other teaching category shows an increase.

Managers, officials and proprietor category has a growth demand increase of 16.8 percent led by a 20.9 percent increase in administrators and public inspectors.

Sales workers show a projected increase of 18.3 percent from 1974 to 1985. The majority of this increase will occur in the number of insurance agents and brokers.

The clerical workers category shows the largest percentage increase in demand due to growth during the time period (19.7 percent).

The leading categories for new positions within this area is with secretaries (33.7 percent).

The craft workers will have a labor demand due to growth of 9.2 percent. Some of the occupations within this category will grow exceedingly well however. Included in the large growth demand occupations are data processing machine repairers (63.2 percent), air conditioning, heating, refrigeration mechanics and repairers (33.3 percent), and roofers and slaters (30.3 percent).

Operatives, which would give a sampling of manufacturing trends, will only have a demand growth of 0.2 percent. The largest growth within specific occupations would be welders (12.2 percent), semi-skilled packers (11.9 percent) and assemblers (19.2 percent).

Within the service workers fields the demand due to growth will be 14.5 percent. The largest growth will be in the health service workers (42.8 percent), more specifically, in the occupations of nursing aides, orderlies and attendants (41.7 percent).

Table 21
Brockton SMSA
Position Filled
by Quarter

Group	2nd. Qtr. 1978	3rd Qtr. 1978	4th Qtr. 1978	1st. Qtr. 1979
TOTAL	648	828	570	575
Prof., Tech., Mgr.	68	65	76	61
Clerical	85	98	102	110
Sales	22	22	2	12
Domestic Service	6	0	5	8
Other Service	108	301	42	99
Farm Forestry, Fish.	59	103	23	15
Processing	13	8	77	21
Machine Trades	31	26	60	36
Benchwork	33	30	41	31
Structural	44	50	42	61
Motor Frgt., Trans.	16	20	25	20
Pkg. Mat. Handling	211	89	65	98
Other	2	16	10	5

Source: ESARS Table -07

Table 22

Occupation Employment Projections
Brockton SMSA

Occupation	Employment		Labor Demand 1974 - 1985		
	1974	1985	Total Demand	Due to Growth	Due to Separation
	55,084	61,803	32,336	6,719	25,617
Professional, Technical and Kindred	6,594	7,659	4,079	1,065	3,014
Managers	5,866	6,851	3,106	985	2,121
Sales Workers	3,680	4,354	2,500	674	1,826
Clerical Workers	9,835	11,773	8,857	1,938	6,919
Crafts and Kindred Workers	8,686	9,486	3,022	800	2,222
Operatives	10,195	10,211	4,009	16	3,993
Service Workers	7,699	8,812	5,975	1,113	4,862
Laborers, except Farm	2,267	2,484	767	217	550
Farmers and Farm Workers	262	173	21	89	110

NOTE: May not add to totals due to rounding.

TABLE 23

TOTAL NUMBER OF JOB OPENINGS, BY OCCUPATION DURING 1974 - 1985 PERIOD

BROCKTON SMSA

OCCUPATIONS	Employ-ment 1974	Employ-ment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
TOTAL, ALL OCCUPATIONS	55,084	61,803	32,336	6,719	25,617
Professional, Technical, Kindred	6,594	7,659	4,079	1,065	3,014
Engineers, Technical	739	833	226	94	132
Engineers, Aero-Astronautical	*	*	*	*	*
Engineers, Chemical	*	*	*	*	*
Engineers, Civil	134	156	55	22	33
Engineers, Electrical	203	225	44	22	22
Engineers, Industrial	146	164	51	18	33
Engineers, Mechanical	164	188	57	24	33
Engineers, Metallurgical	0	0	0	0	0
Engineers, Mining	0	0	0	0	0
Engineers, Petroleum	0	0	0	0	0
Engineers, Sales	24	25	1	1	0
Engineers, Other	53	59	17	6	11
Life & Physical Scientists	70	80	32	10	22
Agricultural Scientists	0	0	0	0	0
Atmospheric, Space Scientists	0	0	0	0	0
Biological Scientists	*	*	*	*	*
Chemists	58	66	30	8	22
Geologists	0	0	0	0	0
Marine Scientists	0	0	0	0	0
Physicists & Astronomers	*	*	*	*	*
Life, Physical Scientists, N.E.C.	0	0	0	0	0
Mathematical Specialists	23	30	18	7	11
Actuaries	21	28	18	7	11
Mathematicians	0	0	0	0	0
Statisticians	*	*	*	*	*
Engineers, Science Technicians	608	741	243	133	110
Agricultural & Biological Technicians, Except Health	*	*	*	*	*
Chemical Technicians	*	*	*	*	*
Drafters	279	336	112	57	55
Electrical & Electronic Technicians	171	207	58	36	22
Industrial Engineering Technicians	18	21	3	3	0
Mathematical Technicians	0	0	0	0	0
Mechanical Engineering Technicians	*	*	*	*	*
Surveyors	32	39	18	7	11
Engineering, Science Technicians, N.E.C.	88	106	40	18	22
Medical Workers, Except Technicians	1,109	1,389	1,061	280	781
Chiropractors	0	0	0	0	0
Dentists	49	69	42	20	22
Dietitians	28	28	22	0	22
Optometrists	*	*	*	*	*
Pharmacists	108	118	54	10	44
Physicians, M. D. Osteopaths	107	143	91	36	55
Podiatrists	0	0	0	0	0
Registered Nurses	729	886	729	157	572
Therapists	83	136	119	53	66
Veterinarians	0	0	0	0	0
Other Medical & Health Workers	0	0	0	0	0

TABLE 23 (Continued)
BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Health Technologists & Technicians	269	397	370	128	242
Clinical Lab. Technologists & Technicians	110	132	99	22	77
Dental Hygienists	32	65	88	33	55
Health Record Technologists & Technicians	15	25	32	10	22
Radiological Technologists & Technicians	53	66	57	13	44
Therapy Assistants	15	34	30	19	11
Other Health Technologists & Technicians	44	75	64	31	33
Technicians, Except Health	71	106	46	35	11
Airplane Pilots	0	0	0	0	0
Air Traffic Controllers	11	11	0	0	0
Embalmers	*	*	*	*	*
Flight Engineers	0	0	0	0	0
Radio Operators	14	17	3	3	0
Tool Programmers, Numerical	*	*	*	*	*
Other Technicians, Except Health	40	72	43	32	11
Computer Specialists	180	227	91	47	44
Computer Programmers	104	128	57	24	33
Computer Systems Analysts	61	84	34	23	11
Other Computer Specialists	15	15	0	0	0
Social Scientists	60	78	29	18	11
Economists	20	27	7	7	0
Political Scientists	0	0	0	0	0
Psychologists	40	51	22	11	11
Sociologists	0	0	0	0	0
Urban & Regional Planners	0	0	0	0	0
Other Social Scientists	0	0	0	0	0
Teachers	1,515	1,472	760	-43	803
Adult Education Teachers	31	37	17	6	11
College & University Teachers	160	160	44	0	44
Elementary School Teachers	500	520	372	20	352
Preschool & Kindergarten Teachers	99	104	71	5	66
Secondary School Teachers	583	494	153	-89	242
Teachers, N.E.C., Except Colleges & Universities	142	157	103	15	88
Writers, Artists, & Entertainers	534	679	365	145	220
Actors	0	0	0	0	0
Athletes & Kindred Workers	24	33	20	9	11
Authors	15	11	-4	-4	0
Dancers	0	0	0	0	0
Designers	167	204	92	37	55
Editors & Reporters	73	98	69	25	44
Musicians & Composers	52	65	35	13	22
Painters & Sculptors	63	80	50	17	33
Photographers	53	63	21	10	11
Public Relations Specialist	42	56	36	14	22
Radio & TV Announcers	*	*	*	*	*
Writers, Artists, & Entertainers, N.E.C.	38	62	46	24	22
Other Professional & Technical	1,416	1,627	838	211	627
Accountants	577	598	241	21	220
Architects	27	33	17	6	11
Archivists & Curators	0	0	0	0	0
Clergy	112	125	68	13	55
Religious, Except Clergy	20	24	15	4	11
Farm Management Advisors	0	0	0	0	0

TABLE 23 (Continued))

BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Foresters & Conservationists	12	16	4	4	0
Home Management Advisors	0	0	0	0	0
Judges	*	*	*	*	*
Lawyers	129	135	72	6	66
Librarians	76	83	62	7	55
Operations, Systems Research	67	122	66	55	11
Personnel Labor Relations	122	139	61	17	44
Research Workers, N.E.C.	20	33	24	13	11
Recreation Workers	80	98	62	18	44
Social Workers	111	122	77	11	66
Vocational, Education Counselors	59	95	69	36	33
Managers, Officials, & Proprietors	5,866	6,851	3,106	985	2,121
Buyers, Sales, & Loan Managers	1,166	1,571	834	405	429
Bank, Financial Managers	260	342	181	82	99
Credit Managers	48	68	42	20	22
Buyers, Shippers, Farm Products	*	*	*	*	*
Buyers, Wholesale, Retail	121	180	125	59	66
Purchasing Agents, Buyers, N.E.C.	93	118	58	25	33
Sales Manager, Retail Trade	425	592	321	167	154
Sales Manager, Except Retail Trade	214	264	105	50	55
Administrators, Public Inspectors	517	625	361	108	253
Assessors, Controllers, Local Public Administration.	*	*	*	*	*
Construction Inspectors, Public Administration	11	12	12	1	11
Health Administrators	148	196	136	48	88
Inspectors, Except Construction, Public Admin.	60	72	34	12	22
Officials & Administrators, Public Admin.	155	161	72	6	66
Postmasters & Mail Superintendents	18	14	7	-4	11
School Administrators, College	45	71	48	26	22
School Administrators, Elementary & Secondary	78	97	52	19	33
Other Managers, Officials, & Proprietors	4,183	4,655	1,911	472	1,439
Funeral Directors.	28	28	11	0	11
Managers, Superintendents, Building	28	35	29	7	22
Office Managers, N.E.C.	214	272	67	58	9
Officers, Pilots, Pursers, Ship	0	0	0	0	0
Officials of Lodges, Unions	31	32	12	1	11
Railroad Conductors	22	43	32	21	11
Restaurant, Cafe & Bar Managers	465	485	174	20	154
Other Managers & Administrators, N.E.C.	3,395	3,760	1,586	365	1,221
Sales Workers	3,680	4,354	2,500	674	1,826
Advertising Agents, Sales Workers	36	49	35	13	22
Auctioneers	0	0	0	0	0
Demonstrators	27	39	34	12	22
Hucksters & Peddlers	101	130	84	29	55
Insurance Agents, Brokers, etc.	409	516	272	107	165
Newspaper Carriers & Vendors	40	37	8	-3	11
Real Estate Agents, Brokers	159	164	93	5	88
Stock & Bond Sales Agents	49	45	18	-4	22
Sales & Sales Workers, N.E.C.	2,859	3,374	1,956	515	1,441

TABLE 23 (Continued)

BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985 Total Demand	Due to Growth	Due to Separations
Clerical Workers	9,835	11,773	8,857	1,938	6,919
Stenographers, Typists & Secretaries	2,659	3,403	3,241	744	2,497
Secretaries, Legal	104	117	112	13	99
Secretaries, Medical	74	105	108	31	77
Secretaries, Other	1,798	2,404	2,344	606	1,738
Stenographers	39	24	7	-15	22
Typists	644	753	670	109	561
Office Machine Operators	527	508	245	-19	264
Bookkeeping, Billing Operators	39	32	15	-7	22
Calculating Machine Operators	19	13	5	-6	11
Computer, Peripheral Equipment Operators	133	166	66	33	33
Duplicating Machine Operators	*	*	*	*	*
Keypunch Operators	251	200	103	-51	154
Tabulating Machine Operators	0	0	0	0	0
Other Office Machine Operators	76	84	52	8	44
Other Clerical Workers	6,649	7,862	5,371	1,213	4,158
Bank Tellers	206	247	195	41	154
Billing Clerks	92	145	141	53	88
Bookkepers	1,270	1,312	944	42	902
Cashiers	808	928	714	120	594
Clerical Assistants, Social Welfare	0	0	0	0	0
Clerical Supervisors, N.E.C.	146	177	108	31	77
Collectors, Bill & Account	25	25	11	0	11
Counter Clerks, Except Food	229	278	214	49	165
Dispatchers, Starters, Vehicle	35	44	20	9	11
Enumerators & Interviewers	19	15	7	-4	11
Estimators, Investigators, N.E.C.	231	262	152	31	121
Expeditors, Production Controllers	113	141	72	28	44
File Clerks	158	167	130	9	121
Insurance Adjusters & Examiners	169	224	121	55	66
Library Attendants & Assistants	99	115	93	16	77
Mail Carriers, Post Office	192	181	22	-11	33
Mail Handlers, Except Post Office	82	118	80	36	44
Messengers & Office Helpers	20	24	15	4	11
Meter Readers, Utilities	45	40	6	-5	11
Payroll, Time Keeping Clerks	94	103	75	9	66
Postal Clerks	221	209	54	-12	66
Proofreaders	20	26	28	6	22
Real Estate Appraisers	27	31	26	4	22
Receptionist	166	203	191	37	154
Shipping, Receiving Clerks	472	551	222	79	143
Statistical Clerks	128	139	99	11	88
Stock Clerks, Storekeepers	281	350	179	69	110
Teachers' Aides, Except Monitors	78	135	101	57	44
Telegraph Messengers	0	0	0	0	0
Telegraph Operators	*	*	*	*	*
Telephone Operators	335	271	156	-64	220
Ticket Station & Express Agents	61	62	23	1	22
Weighers	13	16	14	3	11
Miscellaneous Clerical Workers, N.E.C.	811	1,323	1,161	512	649

TABLE 23 (Continued)
BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Craft & Kindred Workers	8,686	9,486	3,022	800	2,222
Construction Crafts Workers	2,348	2,618	842	270	572
Carpenters & Apprentices	771	830	268	59	209
Brick & Stonemasons & Apprentices	77	84	18	7	11
Bulldozer Operators	33	46	24	13	11
Cement & Concrete Finishers	*	*	*	*	*
Electricians & Apprentices	446	493	135	47	88
Excavating, Grading & Machine Operators	106	143	59	37	22
Floor Layers, Except Tile Setters	14	14	0	0	0
Painters & Apprentices	289	284	83	-5	88
Paperhangers	*	*	*	*	*
Plasterers & Apprentices	*	*	*	*	*
Plumbers, Pipefitters & Apprentices	375	449	173	74	99
Roofers & Slaters	89	116	49	27	22
Structural Metal Craft Workers	67	85	29	18	11
Tilesetters	56	48	3	-8	11
Blue-Collar Worker Supervisors, N.E.C.	1,173	1,305	484	132	352
Metalworking Craft Workers, Except Mechanics	945	954	218	9	209
Blacksmiths	0	0	0	0	0
Boilermakers	19	29	21	10	11
Heat Treaters, Annealers, & Temperers	*	*	*	*	*
Forge & Hammer Operators	10	11	1	1	0
Job & Die Setters, Metal	26	29	14	3	11
Machinists & Apprentices	403	399	84	-4	88
Millwrights	29	26	8	-3	11
Molders & Apprentices, Metal	91	82	13	-9	22
Pattern & Model Makers	45	29	-5	-16	11
Rollers & Finishers, Metal	11	11	0	0	0
Sheetmetal Workers & Apprentices	197	208	44	11	33
Tool & Diemakers & Apprentices	111	127	38	16	22
Mechanics, Repairers, & Installers	2,035	2,432	804	397	407
Air Cond., Heating, & Refrig. Mechanics & Repairers	246	328	126	82	44
Aircraft Mechanics	40	30	-10	-10	0
Auto Accessories Installers	0	0	0	0	0
Auto Body Repairers	130	121	2	-9	11
Auto Mechanics & Apprentices	625	733	229	108	121
Data Processing Machine Repairers	57	93	47	36	11
Farm Implement Mechanics	13	24	11	11	0
Heavy Equipment Mechanics Including Diesel	375	425	138	50	88
Household Appliance Mechanics	143	157	47	14	33
Loom Fixers	*	*	*	*	*
Office Machine Repairers	52	91	50	39	11
Radio & Television Repairers	148	215	100	67	33
Railroad & Car Shop Repairers	16	27	22	11	11
Other Mechanics & Apprentices	186	181	39	-5	44
Printing Trade Craft Workers	369	378	119	9	110
Bookbinders	17	18	10	1	9
Composition & Typesetters	169	149	35	-20	55
Electrotypers & Stereotypers	*	*	*	*	*
Engravers, Except Photoengravers	0	0	0	0	0
Photoengravers & Lithographers	34	39	16	5	11
Pressmen, Plate Printers & Apprentices	142	168	59	26	33

TABLE 23 (Continued)
BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Transportation, Public Utility Crafts	439	411	5	-28	33
Electric Power Line Installers & Repairers	72	74	13	2	11
Locomotive Engineers	0	0	0	0	0
Locomotive Engineers Helpers	0	0	0	0	0
Power Station Operators	18	15	-3	-3	0
Telephone Installers & Repairers	305	289	6	-16	22
Telephone Line Installers & Splicers	44	33	-11	-11	0
Other Crafts, Kindred Workers	1,377	1,388	550	11	539
Bakers	121	112	53	9	44
Cabinetmakers	73	73	22	0	22
Carpet Installers	55	64	9	9	0
Crane, Derrick, & Hoist Operators	79	86	29	7	22
Decorators & Window Dressers	44	47	25	3	22
Dental Laboratory Technicians	33	26	4	-7	11
Furniture & Wood Finishers	12	11	-1	-1	0
Furriers	0	0	0	0	0
Glaziers	47	70	34	23	11
Inspectors, Log & Lumber	0	0	0	0	0
Inspectors, Other	54	60	28	6	22
Jewelers & Watchmakers	22	23	12	1	11
Millers, Grain, Flour, Feed	0	0	0	0	0
Motion Picture Projectionists	0	0	0	0	0
Opticians, Lens Grinders & Polishers	53	100	69	47	22
Piano & Organ Tuners & Repairers	11	14	14	3	11
Shipfitters	350	373	188	23	165
Shoe Repairers	63	30	0	-33	33
Sign Painters & Letterers	*	*	*	*	*
Stationary Engineers	118	112	38	-6	44
Stone Cutters & Stone Carvers	0	0	0	0	0
Tailors	42	34	14	-8	22
Upholsterers	22	25	14	3	11
Craft & Kindred Workers, N.E.C.	174	124	16	-50	66
peratives	10,195	10,211	4,009	16	3,993
Operatives, Except Transportation	8,145	8,046	3,454	-99	3,553
Semiskilled Metal Working	860	864	268	4	264
Drill Press Operators	49	52	25	3	22
Furnace Tenders, Smelters, & Pourers, Metal	24	23	10	-1	11
Grinding Machine Operatives	67	66	21	-1	22
Heaters, Metal	0	0	0	0	0
Lathe & Milling Machine Operatives	115	114	32	-1	33
Metal Platers	17	20	3	3	0
Other Precision Machine Operatives	71	70	21	-1	22
Punch & Stamping Press Operatives	72	58	8	-14	22
Solderers	83	55	16	-28	44
Welders & Flame Cutters	362	406	132	44	88
Semiskilled Textile	272	227	76	-45	121
Carding, Lapping, & Combing Operatives	0	0	0	0	0
Knitters, Loopers, & Toppers	25	19	5	-6	11
Spinners, Twisters, & Winders	21	23	13	2	11
Weavers	112	75	18	-37	55
Other Textile Operatives	114	110	40	-4	44

TABLE 23 (Continued)
BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Semiskilled Packing, Inspecting	1,127	1,261	739	134	605
Checkers, Examiners, & Inspectors, Mfg.	453	544	322	91	231
Graders & Sorters, Manufacturing	40	33	15	-7	22
Meat Wrappers, Retail Trade	52	66	47	14	33
Packers & Wrappers, Except Meat & Produce	579	613	353	34	319
Produce Graders & Packers, Except Factory & Farm	*	*	*	*	*
Other Operatives, Except Transportation	5,886	5,694	2,371	-192	2,563
Asbestos & Insulation Workers	39	56	28	17	11
Assemblers	885	1,055	643	170	473
Blasters	0	0	0	0	0
Bottling & Canning Operatives	24	22	9	-2	11
Surveyor Helpers	*	*	*	*	*
Clothing Ironers & Pressers	107	66	3	-41	44
Cutting Operatives, N.E.C.	169	165	73	-4	77
Dressmakers, Except Factory	42	34	25	-8	33
Drillers, Earth	13	16	3	3	0
Dry Wall Installers, & Lathers	111	114	14	3	11
Dyers	26	30	15	4	11
Filers, Polishers, Sanders, & Buffers	38	32	5	-6	11
Garage Workers & Gas Station Attendants	142	133	13	-9	22
Laundry & Dry Cleaning Operatives, N.E.C.	125	140	92	15	77
Meat Cutters & Butchers, Except Mfg.	227	226	76	-1	77
Meat Cutters, Butchers	*	*	*	*	*
Milliners	0	0	0	0	0
Mine Operatives, N.E.C.	0	0	0	0	0
Mixing Operatives	60	47	-2	-13	11
Oilers & Greasers, Except Auto	13	9	-4	-4	0
Painters, Manufactured Articles	122	112	23	-10	33
Photographic Process Workers	58	69	44	11	33
Riveters & Fasteners	28	24	7	-4	11
Sailors & Deckhands	*	*	*	*	*
Sawyers	30	36	17	6	11
Sewers & Stitchers	799	698	405	-101	506
Shoemaking Machine Operatives	489	304	35	-185	220
Furnace Tenders & Stokers, Except Metal	52	45	15	-7	22
Winding Operatives, N.E.C.	33	35	13	2	11
Miscellaneous Machine Operatives	944	916	324	-28	352
Operatives, N.E.C.	1,295	1,293	493	-2	495
Transportation Equipment Operatives	2,050	2,165	555	115	440
Boat Operators	0	0	0	0	0
Bus Drivers	333	350	138	17	121
Conductors & Operators, Urban Rail Transit	11	11	0	0	0
Delivery & Route Workers	462	497	123	35	88
Fork Lift & Tow Motor Operators	151	176	47	25	22
Rail Vehicle Operators, N.E.C.	0	0	0	0	0
Parking Attendants	*	*	*	*	*
Railroad Brake Operators	15	11	-4	-4	0
Railroad Switch Operators	*	*	*	*	*
Taxicab Drivers & Chauffeurs	88	93	38	5	33
Truck Drivers	981	1,015	210	34	176
Service Workers	7,699	8,812	5,975	1,113	4,862
Cleaning Service Workers	960	1,117	751	157	594
Lodging Quarters Cleaners, Except Private Household	61	72	66	11	55
Building Interior Cleaners, N.E.C.	284	379	304	95	209
Janitors & Sextons	615	666	381	51	330

TABLE 23 (Continued)

BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Food Service Workers	3,522	3,880	2,426	358	2,068
Bartenders	192	219	115	27	88
Waiter's Assistants	45	47	13	2	11
Cooks, Except Private	716	839	464	123	341
Dishwashers	180	199	96	19	77
Food Counter & Fountain Workers	589	626	389	37	352
Waiters	1,393	1,508	1,061	115	946
Food Workers, N.E.C., Except Private	407	442	288	35	253
Health Service Workers	1,445	2,064	1,928	619	1,309
Dental Assistants	104	143	149	39	110
Health Aides, Except Nursing	92	127	123	35	88
Health Trainees	*	*	*	*	*
Lay Midwives	0	0	0	0	0
Nursing Aides, Orderlies, & Attendants	870	1,233	1,089	363	726
Practical Nurses	376	560	569	184	385
Personal Service Workers	637	678	481	41	440
Flight Attendants	0	0	0	0	0
Attendants, Recreation & Amusement	33	32	21	-1	22
Attendants, Personal Service, N.E.C.	20	22	24	2	22
Baggage Porters & Bellhops	*	*	*	*	*
Barbers	92	58	-1	-34	33
Boarding & Lodging Housekeepers	0	0	0	0	0
Bootblacks	0	0	0	0	0
Child Care Workers, Except Private	50	83	88	33	55
Elevator Operators	*	*	*	*	*
Hairdressers, Cosmetologists	327	370	296	43	253
Housekeepers, Except Private	74	76	46	2	44
School Monitors	*	*	*	*	*
Ushers, Recreation & Amusement	*	*	*	*	*
Welfare Service Aides	12	16	15	4	11
Protective & Service Workers	983	988	357	5	352
Crossing Guards & Bridgetenders	40	41	34	1	33
Fire Fighters	248	250	46	2	44
Guards	330	291	159	-39	198
Marshals & Constables	*	*	*	*	*
Police & Detectives	341	382	107	41	66
Sheriffs & Bailiffs	16	16	11	0	11
Private Household Workers	152	85	32	-67	99
Child Care Workers	49	25	9	-24	33
Cooks, Private	*	*	*	*	*
Housekeepers, Private	*	*	*	*	*
Launderers, Private Household	0	0	0	0	0
Cleaners & Servants, Private Household	89	52	29	-37	66
Laborers, Except Farm	2,267	2,484	767	217	550
Animal Caretakers, Except Farm	57	83	59	26	33
Carpenters, Helpers	31	29	-2	-2	0
Construction Laborers, Exc..Carpenter's.Help.	422	438	82	16	66
Fishers, Hunters, & Trappers	*	*	*	*	*
Freight, Material Handlers	313	317	70	4	66

TABLE 23(Continued)
BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Garbage Collectors	44	53	20	9	11
Gardeners & Groundskeepers, Except Farm	295	337	174	42	132
Longshore Workers & Stevedores	11	22	11	11	0
Timbercutting & Logging Workers	*	*	*	*	*
Stock Handlers	734	874	294	140	154
Teamsters	0	0	0	0	0
Vehicle Washers & Equipment Cleaners	56	53	8	-3	11
Warehouse Laborers, N.E.C.	131	116	7	-15	22
Other Laborers	167	156	44	-11	55
Farmers & Farm Workers	262	173	21	-89	110
Farmers & Farm Managers	98	65	11	-33	44
Farmers (Owners & Tenants)	90	56	10	-34	44
Farm Managers	*	*	*	*	*
Farm Laborers, Farm Supervisors	164	108	10	-56	66
Farm Labor Supervisors	14	11	8	-3	11
Farm Laborers, Wage Workers	111	65	-13	-46	33
Farm Laborers, Unpaid Family	39	32	15	-7	22
Farm Laborers, Self-Employed	0	0	0	0	0

---

* Employment figures suppressed for industries with less than 10 employees in both time periods.

TABLE 24

TOTAL EMPLOYMENT BY INDUSTRY ADJUSTED FOR CLASS OF WORKER
1970 - 1974 - 1985
BROCKTON SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
TOTAL, ALL INDUSTRIES	51,048	55,467	61,516	4,419	6,049
AGRICULTURE, FORESTRY, & FISHERIES	682	804	771	122	-33
Agriculture	665	785	751	120	-34
Agriculture Production	497	544	455	47	-89
Agriculture Services, Except Horticultural	63	102	124	39	22
Horticultural Services	105	139	172	34	33
Forestry	12	14	15	2	1
Fisheries	*	*	*	*	*
MINING	0	0	0	0	0
Metal Mining	0	0	0	0	0
Coal Mining	0	0	0	0	0
Crude Petroleum & Natural Gas Extraction	0	0	0	0	0
Nonmetallic Mining, & Quarrying, except Fuel	0	0	0	0	0
CONSTRUCTION	3,196	3,331	3,700	135	369
General Building Contractors	629	555	656	-74	101
General Contractors, Except Building	786	1,008	1,183	222	175
Special Trade Contractors	1,781	1,768	1,861	-13	93
MANUFACTURING	13,804	13,061	12,745	-743	-316
Durable Goods	5,096	6,047	6,607	951	560
Ordnance	304	226	238	-78	12
Lumber & Wood Products, Except Furniture	344	123	114	-221	-9
Logging	0	0	0	0	0
Sawmills, Planing Mills, & Mill Work	37	25	19	-12	-6
Miscellaneous Wood Products	302	98	95	-204	-3
Furniture & Fixtures	269	307	398	38	91
Stone, Clay & Glass Products	155	138	149	-17	11
Glass & Glass Products	0	0	0	0	0
Cement, Concrete, Gypsum, & Plaster Products	86	86	96	0	10
Structural Clay Products	57	50	48	-7	-2
Pottery & Related Products	0	0	0	0	0
Miscellaneous Nonmetallic Mineral & Stone Products	*	*	*	*	*
Primary Metal Production	516	721	609	205	-112
Blast Furnaces, Steel Works, Rolling & Fin. Mills	*	*	*	*	*
Other Primary Iron & Steel Industries	464	650	548	186	-102
Primary Aluminum Industries	*	*	*	*	*
Other Primary Nonferrous Industries	35	49	42	14	-7
Fabricated Metal Products	731	724	810	-7	86
Cutlery, Hand Tools, & Other Hardware	114	68	57	-46	-11
Fabricated Structural Metal Products	210	272	388	62	116
Screw Machine Products	331	290	256	-41	-34
Metal Stamping	9	12	13	3	1
Misc. Fabricated Metal Products	67	82	96	15	14
Machinery, Except Electrical	701	691	752	-10	61
Engines & Turbines	0	0	0	0	0
Farm Machinery & Equipment	*	*	*	*	*
Construction & Material Handling Machines	0	0	0	0	0
Metalworking Machinery	228	239	292	11	53
Office & Accounting Machines	0	0	0	0	0
Electronic Computing Equipment	0	0	0	0	0
Machinery, Except Electrical, N.E.C.	468	446	455	-22	9

TABLE 24 (Continued)
BROCKTON SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Electrical Machinery, Equipment & Supplies	901	1,335	1,358	434	23
Household Appliances	28	77	74	49	-3
Radio, TV, & Communication Equipment	26	5	6	-21	1
Electrical Machinery, Equip. & Supplies, N.E.C.	847	1,253	1,278	406	25
Transportation Equipment	64	147	187	83	40
Motor Vehicles & Motor Vehicle Equipment	37	40	48	3	8
Aircraft & Parts	0	0	0	0	0
Ship & Boat Building & Repairing	27	107	139	80	32
Railroad Locomotives & Equipment	0	0	0	0	0
Mobile Dwellings & Campers	0	0	0	0	0
Cycles & Misc. Transportation Equipment	0	0	0	0	0
Prof., Scientific Instr., Photo. Equip. & Watches	604	1,142	1,473	538	331
Scientific & Controlling Instruments	604	1,070	1,343	466	273
Optical & Health Services Supplies	0	72	130	72	58
Photographic Equipment & Supplies	0	0	0	0	0
Watches, Clocks, & Clockwork Operated Devices	0	0	0	0	0
Miscellaneous Manufacturing Industries	507	493	519	-14	26
NONDURABLE GOODS	8,708	7,014	6,138	-1,694	-876
Food & Kindred Products	963	758	689	-205	-69
Meat Products	0	0	0	0	0
Dairy Products	396	276	203	-120	-73
Canning & Preserving	139	151	189	12	38
Grain Mill Products	30	34	36	4	2
Bakery Products	172	160	148	-12	-12
Confectionary & Related Products	86	81	74	-5	-7
Beverage Industries	79	47	32	-32	-15
Misc. Food Preparation & Kindred Products	49	9	7	-40	-2
Tobacco Manufacturing	0	0	0	0	0
Textile Mill Products	628	614	665	-14	51
Knitting Mills	611	586	642	-25	56
Dyeing & Finishing Textiles, Exc. Wool & Knit Goods	0	0	0	0	0
Floor Coverings, Except Hard Surfaces	0	0	0	0	0
Yarn, Thread, & Fabric Mills	12	21	17	9	-4
Misc. Textile Mill Products	*	*	*	*	*
Apparel & Other Fabricated Textile Products	1,190	1,195	975	5	-220
Apparel & Accessories	1,108	1,132	926	24	-206
Misc. Fabricated Textile Products	82	63	49	-19	-14
Paper & Allied Products	445	293	193	-152	-100
Pulp, Paper, & Paperboard Mills	115	78	48	-37	-30
Paperboard Containers & Boxes	304	200	135	-104	-65
Misc. Paper & Pulp Products	26	15	10	-11	-5
Printing, Publishing, & Allied Products	625	691	758	66	67
Newspaper Publishing & Printing	313	321	356	8	35
Printing, Publishing, & Allied Prod., Exc. Newspapers	312	370	402	58	32
Chemicals & Allied Products	26	31	34	5	3
Industrial Chemicals	0	0	0	0	0
Plastics, Synthetics & Resins, Except Fibers	0	0	0	0	0
Synthetic Fibers	0	0	0	0	0
Drugs & Medicines	0	0	0	0	0
Soaps & Cosmetics	16	9	10	-7	1
Paints, Varnishes, & Related Products	0	0	0	0	0
Agricultural Chemicals	0	0	0	0	0
Miscellaneous Chemicals	*	*	*	*	*
Petroleum & Coal Products	0	0	0	0	0
Petroleum Refining	0	0	0	0	0
Misc. Petroleum & Coal Products	0	0	0	0	0
Rubber & Misc. Plastic Products	957	1,000	1,021	43	21
Rubber Products	521	430	357	-91	-73
Misc. Plastic Products	436	570	664	134	94

TABLE 24 (Continued)
BROCKTON SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Leather & Leather Products	3,874	2,432	1,803	-1,442	-629
Tanned, Curried, & Finished Leather	136	51	38	-85	-13
Footwear, Except Rubber	3,673	2,288	1,656	-1,385	-632
Leather Products, Except Footwear	65	93	109	28	16
TRANSPORTATION, COMMUNICATIONS & OTHER PUBLIC UTIL.	4,207	4,514	4,634	307	120
Transportation, Total	1,692	1,710	1,861	18	151
Railroads, & Railway Express Services	*	*	*	*	*
Local, Interurban Transit	505	611	653	106	42
Street Railways, Bus Line	426	554	580	128	26
Taxicab Service	79	57	73	-22	16
Trucking & Warehousing	1,128	1,043	1,151	-85	108
Trucking Service	1,079	1,012	1,116	-67	104
Warehousing & Storage	49	31	35	-18	4
Water Transportation	0	0	0	0	0
Air Transportation	0	0	0	0	0
Pipelines	0	0	0	0	0
Transportation Services	45	45	48	0	3
Communications, Utilities, & Sanitary Services	2,515	2,804	2,773	289	-31
Communications	1,204	1,384	1,293	180	-91
Telephone (Wire & Radio)	1,192	1,368	1,274	176	-94
Telegraph (Misc. Communications Service)	0	0	0	0	0
Radio Broadcasting, TV	12	15	19	3	4
Utilities & Sanitary Services	1,311	1,420	1,480	109	60
Electric Light & Power	352	338	343	-14	5
Electric-gas Utilities	0	0	0	0	0
Gas & Steam Supply Systems	669	732	750	63	18
Water Supply	113	133	145	20	12
Sanitary Services	177	217	242	40	25
Other Utilities, N.E.C.	0	0	0	0	0
WHOLESALE & RETAIL TRADE	12,483	15,111	17,596	2,628	2,485
Wholesale Trade	1,897	2,494	2,856	597	362
Wholesale, Except Misc. Wholesale	1,268	1,699	1,934	431	235
Motor Vehicles & Equipment	208	260	327	52	67
Drugs, Chemicals, & Allied Products	122	131	141	9	10
Dry Goods & Apparel	278	631	698	353	67
Food & Related Products	309	336	346	27	10
Farm Products - Raw Materials	0	0	0	0	0
Electrical Goods	98	127	149	29	22
Hardware, Plumbing	105	115	139	10	24
Machinery Equipment Supplies	143	99	134	-44	35
Miscellaneous Wholesale Trade	629	795	922	166	127
Metals & Minerals, N.E.C.	68	82	94	14	12
Petroleum Products	64	86	100	22	14
Scrap & Waste Material	56	80	93	24	13
Alcoholic Beverages	51	66	78	15	12
Paper & Paper Products	85	100	116	15	16
Lumber & Construction Materials	67	83	97	16	14
Wholesale, N.E.C.	238	298	344	60	46
RETAIL TRADE	10,586	12,617	14,740	2,031	2,123
Building Materials	258	257	270	-1	13
Lumber, Building Material	191	180	187	-11	7
Hardware & Farm Equipment	67	77	83	10	6
General Merchandise, Total	1,730	2,343	3,008	612	666
Department, Mail Order	1,257	1,561	2,144	304	583
Limited Price Stores	155	404	398	249	-6
Vending Machine Operators	12	7	11	-5	4
Direct Selling	206	214	287	8	73
Misc. Merchandise Stores	100	156	168	56	12

TABLE 24 (Continued)
BROCKTON SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Food & Dairy Stores	2,240	2,273	2,768	33	495
Grocery Stores	1,960	2,069	2,533	109	464
Dairy Product Stores	50	67	83	17	16
Retail Bakeries	130	53	34	-77	-19
Food Stores, N.E.C.	100	84	118	-16	34
Auto Dealers, Gas Stations	2,042	1,481	1,711	-561	230
Motor Vehicle Dealers	574	627	720	53	93
Tire, Battery, Accessory	746	108	123	-638	15
Gasoline Service Stations	687	639	742	-48	103
Miscellaneous Vehicle Dealers	35	107	126	72	19
Apparel & Accessories	744	760	841	16	81
Apparel, Accessories Stores	455	566	662	111	96
Shoe Stores	289	194	179	-95	-15
Furniture & Appliances	663	891	1,032	228	141
Home Furnishing Stores	516	644	707	128	63
Appliance, TV, Radio Stores	147	247	325	100	78
Eating & Drinking Places	1,582	2,868	3,210	1,286	342
Misc. Retail Trade Stores	1,327	1,745	1,900	418	155
Drug Stores	237	364	388	127	24
Liquor Stores	173	187	231	14	44
Farm, Garden Supply Stores	22	26	33	4	7
Jewelry Stores	98	89	86	-9	-3
Fuel & Ice Dealers	246	269	255	23	-14
Retail Florists	75	108	94	33	-14
Misc. Retail Trade Stores	476	702	813	226	111
FINANCE, INSURANCE, & REAL ESTATE	1,557	1,846	2,286	289	440
Finance, Total	754	778	978	24	200
Banking	656	671	860	15	189
Credit Agencies	86	91	99	5	8
Stock Brokers, Investment	12	16	19	4	3
Insurance	455	765	990	310	225
Real Estate, RE Law Insurance	348	303	318	-45	15
SERVICES, TOTAL	12,641	14,075	16,899	1,434	2,824
Hotels & Lodging Places	182	244	289	62	45
Hotels & Motels	164	214	243	50	29
Lodging Places, Except Hotels	18	30	46	12	16
Other Personal Services	950	866	770	-84	-96
Laundry, Cleaning	296	264	196	-32	-68
Beauty Shops	326	336	362	10	26
Barber Shops	151	132	76	-19	-56
Shoe Repair Shops	20	8	0	-12	-8
Dressmaking Shops	31	21	19	-10	-2
Other Personal Services	126	105	117	-21	12
Miscellaneous Business Services	613	626	674	13	48
Advertising	45	16	18	-29	2
Business Management Services	54	53	54	-1	1
Commercial R. & D.	26	37	46	11	9
Computer Programming	32	31	37	-1	6
Detective & Protective	28	29	32	1	3
Employment, Temporary Help	37	35	38	-2	3
Services, Buildings	85	95	99	10	4
Other Misc. Business Services	306	330	350	24	20
Automobile Repair Services	334	337	336	3	-1
Auto Repair	261	282	280	21	-2
Auto Services, Except Repair	73	55	56	-18	1
Other Repair Services	223	228	231	5	3
Electrical Repair Shops	79	79	79	0	0
Other Repair Services	144	149	152	5	3

TABLE 24 (Continued)
BROCKTON SMSA

INDUSTRY TITLE	EMPLOYMENT			NET CHANGE	
	1970	1974	1985	1970-1974	1974-1985
Motion Pictures, Theatres	58	68	73	10	5
Miscellaneous Entertainment	170	231	241	61	10
Bowling Alleys, Billiards	48	51	53	3	2
Miscellaneous Entertainment	122	180	188	58	8
Medical, Other Health	4,601	5,665	7,664	1,064	1,999
Offices of Physicians	299	382	489	83	107
Offices of Dentists	214	247	355	33	108
Offices of Chiropractors	*	*	*	*	*
Hospitals	3,057	3,394	4,320	337	926
Convalescent Institutions	673	1,103	1,701	430	598
Health Practitioners, N.E.C.	74	121	182	47	61
Health Services, N.E.C.	279	416	612	137	196
Legal Services	313	346	350	33	4
Educational Services	3,686	3,963	4,755	277	792
Elementary, Secondary	2,738	2,815	3,330	77	515
College & Universities	777	955	1,209	178	254
Libraries	100	108	127	8	19
Educational Services, N.E.C.	71	85	89	14	4
Museums, Art Galleries, Zoos	70	79	92	9	13
Nonprofit Organizations	629	669	734	40	65
Religious Organizations	226	233	260	7	27
Welfare Services	216	241	261	25	20
Residential Welfare	21	23	25	2	2
Nonprofit Membership	166	172	188	6	16
Private Households	399	316	245	83	-71
Other Professional Related Services	413	437	445	24	8
Engineering & Architectural Services	155	108	102	-47	-6
Accounting, Auditing	129	216	221	87	5
Misc. Professional Services	129	113	122	-16	9
GOVERNMENT, TOTAL 1/	2,478	2,725	2,885	247	160
Federal Public Admin.	763	742	740	-21	-2
Postal Service	563	512	490	-51	-22
Federal Public Admin.	200	230	250	30	20
State Public Admin.	533	595	628	62	33
Local Public Admin.	1,182	1,388	1,517	206	129

1/ Government workers involved in activities unique to government are classified in the public administrative industry. Government workers in agencies engaged in activities also carried on by private industry such as shipbuilding, education, and medical services, are classified in the appropriate industry category.

* Employment figures suppressed for industries with less than 10 employees for all three time periods.

Table 25

OCCUPATIONS WITH LARGEST AVERAGE TOTAL DEMAND

BROCKTON SMSA

OCCUPATIONS	*TOTAL DEMAND 1974-1985*
Secretaries	*2,344*
Nursing Aides, Orderlies, & Attendants	*1,089*
Waiters/Waitresses	*1,061*
Bookkeepers	*944*
Registered Nurses	*729*
Cashiers	*714*
Typists	*670*
Assemblers	*643*
Practical Nurses	*569*
Cooks, except Private	*464*
Food Counter & Fountain Workers	*389*
Janitors	*381*
Elementary School Teachers	*372*
Packers & Wrappers	*353*
Checkers, Examiners & Inspectors, Mfg.	*322*
Sales Managers, Retail Trade	*321*
Sewers & Stitchers	*305*
Hairdressers & Cosmetologists	*296*
Insurance Agents,& Brokers	*272*
Carpenters & Apprentices	*268*
Accountants	*241*

Table 25

OCCUPATIONS WITH LARGEST AVERAGE TOTAL DEMAND

BROCKTON SMSA

OCCUPATIONS	DUE TO GROWTH 1974-1985
Secretaries	606
Nursing Aides, Orderlies & Attendants	363
Practical Nurses	184
Assemblers	170
Sales Managers, Retail Trade	167
Registered Nurses	157
Stock Handlers	140
Cooks except Private	123
Cashiers	120
Waiters/Waitresses	115
Typists	109
Mechanics	108
Insurance Agents & Brokers	107
Checkers, Examiners & Inspectors, Mfg.	91
Child Care Workers	88
Air Conditioner, Heating & Refrigerator Repairers	82
Bank, Financial Managers	82
Shipping, Receiving Clerks	79
Plumbers, Pipefitters & Apprentices	74
Stock Clerks, Storekeepers	69

Table 25

OCCUPATIONS WITH LARGEST AVERAGE TOTAL DEMAND

BROCKTON SMSA

OCCUPATIONS	DUE TO SEPARATION 1974-1985
Secretaries	1,738
Waiters/Waitresses	946
Bookkeepers	902
Nursing Aides, Orderlies & Attendants	726
Cashiers	594
Registered Nurses	572
Typists	561
Sewers & Stitchers	506
Assemblers	473
Practical Nurses	385
Elementary School Teachers	352
Food Counter & Fountain Workers	352
Cooks, except Private	341
Janitors & Sextons	330
Packers & Wrappers, except Meat & Produce	319
Hairdressers & Cosmetologists	253
Secondary School Teachers	242
Checkers, Examiners & Inspectors, Mfg.	231
Accountants	220
Telephone Operators	220

Estimate of Need for Manpower Services

A. Characteristics of the Economically Disadvantaged

The number of those people who are economically disadvantaged is contained in the following table. Included is a breakdown of the economically disadvantaged by race for the SMSA, the Consortium and the city. The economically disadvantaged are computed by guidelines set forth by the Department of Labor.

Also included in an accompanying table is the number of people, by race and sex, that are employed part-time for economic reasons. These are people that are able and available to work full time but are unable to obtain such full time work. These people are not included among the unemployed numbers but rather are counted as employed. Once again, this figure is computed by Department of Labor guidelines.

An economically disadvantaged person is defined as a person who is a member of a family which: (1) received cash welfare payments: or (2) has a total family income which, in relation to size, does not exceed the poverty level determined in accordance with criteria established by the Office of Management and Budget, or 70 percent of the lower living standard income level, whichever is higher.

Table 26

ADDITIONAL UNEMPLOYMENT PROJECTIONS
FISCAL YEAR 1980
BROCKTON, SMSA

	Unemployment	Unemployment Rate	Long-Term Unemployment	Number of Different Individuals Unemployed During Year
TOTAL	5,199	6.2	1,821	17,028
White Male	2,698	5.7	991	9,132
White Female	2,236	6.4	708	7,101
Nonwhite Male	129	14.0	68	387
Nonwhite Female	136	17.8	54	408

Poverty Level Guidelines
as Determined
by Dept. of Labor

	April 1979						April 1978	
Family Size	Continental U.S.		Hawaii		Alaska		Continental U.S.	
	Nonfarm	Farm	Nonfarm	Farm	Nonfarm	Farm	Nonfarm	Farm
1	$3,400	$2,910	$3,930	$3,350	$4,270	$3,650	$3,140	$2,690
2	4,500	3,840	5,190	4,420	5,640	4,810	4,160	3,550
3	5,600	4,770	6,450	5,490	7,010	5,970	5,180	4,410
4	6,700	5,700	7,710	6,560	8,380	7,130	6,200	5,270
5	7,800	6,630	8,970	7,630	9,750	8,290	7,220	6,130
6	8,900	7,560	10,230	8,700	11,120	9,450	8,240	6,990

Income limits for families of more than six persons may be determined by adding for the nonfarm and farm levels these amounts for each additional person: $1,100 and $930 for the Continental U.S.; $1,260 and $1,070 for Hawaii; and $1,370 and $1,160 for Alaska.

ADDITIONAL PLANNING DATA PROJECTIONS

FISCAL YEAR 1980

Employed Part-time for Economic Reasons

	CONSORTIUM	SMSA	CITY
White Male	2,572	2,257	1,125
White Female	1,953	1,705	874
Nonwhite Male	52	48	28
Nonwhite Female	66	56	30
TOTAL	4,643	4,066	2,057

Economically Disadvantaged 18 Years and Over

	CONSORTIUM	SMSA	CITY
TOTAL	12,084	11,479	7,344
White	10,782	10,460	6,365
Black	1,146	953	901
Other	156	118	78
Spanish	868	721	541

B. Barriers to Employment of Economically Disadvantaged

The barriers effecting the employment of those that are considered economically disadvantaged are many and are difficult for many to overcome.

These barriers include:

(1) Lack of Suitable Job Openings There may be many job orders listed with The Division of Employment Security Office, unfortunately many of these jobs involve low pay, unattractive working conditions or a need for highly skilled qualifications without any training being offered to allow entry into the field.

(2) Lack of Skills Most of the economically disadvantaged have employment background in occupations which require very little skill. Therefore, the majority of economically disadvantaged are competing against one another for any positions of this type, thereby keeping the wage level at a low rate. Another group effected by this barrier to employment are those people making their first entry into the labor force or possibly a reentry after several years away from the labor force.

(3) Language Barriers The inability to communicate effectively in the English language compounds the difficulty in acquiring a meaningful job for many of the economically disadvantaged. There is a definite need for training programs with emphasis on "English as a second language" for those with this particular problem.

(4) Age Age presents another barrier to the economically disadvantaged in the search for suitable work. Those under the age of 22 have a difficult time obtaining a position that offers any upward mobility. In addition, many positions require several months of experience for entry. These factors make it difficult for those under the age of 22 to find a job that will give them any meaningful experience towards a more secure and better paying job. The age barrier often effects those over 44 years of age also. Even though the law prohibits against discrimination because of age many people in the category over 44 years of age find obtaining work extremely difficult due to their age.

(5) Day Care Facilities Single parents, especially women, that are economically disadvantaged are unable to obtain work because of the lack of suitable day care centers for their children. One of the major considerations a person with responsibility for children has when seeking work is the cost and location of day care service. Many jobs available offer such a low starting wage as to prohibit the single parent from taking the position because the wage will not be sufficent to allow for living expenses plus the cost of day care.

(6) Transportation Many low and middle income residents are unable to obtain work due to the lack of transportation. Some of the work available to these people is outside of the area served by public transportation. Furthermore, many of the night shift jobs available, which are at a higher rate of pay, are unavailable to this segment of the population due to the lack of a suitable method of transportation.

ADDENDUM

Recent changes have been made in CETA eligibility requirements and program titles. The following is an outline of the new requirements and program titles.

TITLE II B - Formerly known as Title I.
Services include: Classroom training, work experience, OUT, and services to participants (counseling, supportive services, etc.)

ELIGIBILITY FOR PARTICIPATION IN TITLE II B

1. United States citizen or alien who is permitted to accept permanent employment by Immigration and Naturalization Service; and

2. Economically disadvantaged; and

3. Unemployed, or
   Underemployed, or
   In-School Youth

TITLE II C - New Programs: Upgrading and Retraining Programs designed to offer additional opportunities to those locked into low paying, low-skill, dead-end jobs.
Services include: classroom training, OUT, supportive services.

ELIGIBILITY FOR PARTICIPATION IN TITLE II C UPGRADING

1. United States citizen or alien who is permitted to accept permanent employment by Immigration and Naturalization Service; and

2. Operating at less than full skill potential; and

3. Working for at least the prior six months with the same employer in an entry level, unskilled or semi-skilled position, or a position with little or no advancement opportunity in a normal promotional line.

ELIGIBILITY FOR PARTICIPATION IN TITLE II C RETRAINING

1. United States citizen or alien who is permitted to accept permanent employment by Immigration and Naturalization Service; and

2. Have received a bona fide notice of impending lay-off within the last six months; and

3. Have been determined by Prime Sponsor as having little opportunity to be reemployed in same or equivalent occupation or skill level within the labor market area.

TITLE II D PSE - Formerly known as Title II - PSE
Services include: public service employment, classroom training, and services to participants (counseling, job development, etc.)

ELIGIBILITY FOR PARTICIPATION IN TITLE II D PSE

1. United States citizen or alien who is permitted to accept permanent employment by Immigration and Naturalization Service; and

2. A resident of the prime sponsor's jurisdiction; and

3. Economically disadvantaged, unemployed at time of enrollment, and unemployed during 15 of the past 20 weeks, or

   A member of a family which is receiving Public Assitance; and

4. Not have voluntarily terminated, without good cause, last full-time employment during past six months.

TITLE IV A - Formerly known as Title III C
Programs for youth under Youth Community Conservation and Improvement Projects (YCCIP) and Youth Employment and Training Programs (YETP) are designed to provide classroom training, OUT, work experience and services to participants.

ELIGIBILITY FOR PARTICIPATION IN YCCIP

1. United States citizen or alien who is permitted to accept permanent employment by Immigration and Naturalization Service; and
2. Aged 16 through 19 years, inclusive; and
3. Unemployed; and
4. Economically disadvantaged; and
5. Has not had previous enrollments in YCCIP exceeding 12 months

ELIGIBILITY FOR PARTICIPATION IN YETP

1. United States citizen or alien who is permitted to accept permanent employment by Immigration and Naturalization Service; and
2. Aged 16 through 21 years inclusive; and
3. A member of a family with total family income at or below 85 percent of lower living standard income level; and
4. Unemployed; or
   Underemployed; or
   In School

TITLE IV C - Summer Youth Employment Program
Services include: work experience, remedial education, assessment, classroom training and services to participants.

ELIGIBILITY FOR PARTICIPATION IN SUMMER YOUTH EMPLOYMENT PROGRAM

1. United States citizen or alien who is permitted to accept permanent employment by Immigration and Naturalization service; and

2. Economically Disadvantaged; and

3. Aged 14 through 21 years, inclusive

TITLE VI PSE - Formerly called Titles VI and VI B
Services include: public service employment, training and services to participants (counseling, job development etc.)

ELIGIBILITY FOR PARTICIPATION IN TITLE VI PSE

1. United States citizen or alien who is permitted to accept permanent employment by Immigration and Naturalization Service: and

2. Resident of the prime sponsor's jurisdiction; and

3. A member of family which has been receiving Public Assistance for ten of the last twelve weeks; or unemployed at time of enrollment; and unemployed at least 10 out of 12 weeks prior to enrollment; and have a family income which does not exceed 100% of the lower living standard income level based on the three months prior to application.

4. Not have voluntarily terminated, without good cause, last full-time employment during past six months.

Mass.
MA 20.27: Br/981

ANNUAL PLANNING INFORMATION REPORT FISCAL YEAR 1981 BROCKTON SMSA

GOVERNMENT DOCUMENTS
COLLECTION
DEC 1 1980
University of Massachusetts
Depository Copy

LABOR AREA RESEARCH PUBLICATION

Massachusetts Division of Employment Security

job market research

ANNUAL PLANNING INFORMATION REPORT

FOR

FISCAL YEAR 1981

BROCKTON, MASSACHUSETTS

STANDARD METROPOLITAN STATISTICAL AREA

Prepared by. Richard Fitzgerald
Research Analyst
Labor Area Research
Department
Division of Employment
Security
Charles F. Hurley Building
Government Center
Boston, Massachusetts 02114

Table Of Contents

Page

Preface.. i

I. Description of the Brockton Standard Metropolitan Statistical Area
- A. Definition of Area........................... 1
- B. Transportation Services.................. 1
- C. Commuting Patterns....................... 2

II. Economic Assumptions For the Economy of Massachusetts.................................... 13

III. Population and Labor Force Characteristics....... 30

IV. Training Programs.................................. 33

V. Economic Developments and Outlook by Industry
- A. Employment Developments - 1970-1979....... 40
- B. Top Growth Industries- 1973-1978.......... 44

VI. Recent Unemployment Trends and Projections....... 59

VII. Individuals in Need of Employment Services....... 60

VIII. Employment and Outlook by Occupation............ 61

IX. Labor Supply and Demand Imbalances.............. 63

X. Highlights and Conclusions...................... 65

Appendix... 103

Table Of Contents
(continued)

Page

List of Tables

1. Nonagricultural Employment Projections.................. 13

2. Job Openings, by Occupation............................. 16

3. Occupation Employment Projections...................... 28

4. Characteristics of Applicants.......................... 29

5. Population and Labor Force Projections.................. 31

6. Nonagricultural Employment 1970-1979-Massachusetts...... 41

7. Nonagricultural Employment 1970-1979-Brockton SMSA...... 42

8. Percent Changes in Employment, 1970-79, 1973-75......... 43

9. Employment and Wages - CETA Area........................ 48

10. Brockton SMSA Unemployment............................. 50

11. Unemployment Projections by Race and Sex............... 55

12. Labor Force Data by City and Town...................... 56

13. Comparison of Unemployment Rates...................... 57

14. Unemployment Insurance Claims......................... 58

Map of Brockton SMSA..................................... 12

PREFACE

The Annual Planning Information (API) Report provides tabular data and an analysis of recent and anticipated employment and unemployment developments. It includes manpower information an the insured unemployed, as well as unfilled job openings and applicant characteristics in order to provide a comparison of labor demand and supply.

The API Report is intended to meet many of the information needs of manpower and community planners, educators, antipoverty organizations, local and state official, businesses, labor, and community leaders, and others when need accurate and timely area manpower and job market information for decision - making purposes.

I. Description of the Brockton Standard Metropolitan Statistical Area

A. Definition of the Area

A Standard Metropolitan Statistical Area (SMSA) is a geographical area consisting of a central city or cities and the surrounding territory in which there is a concentration of economic activity and in which workers could change their jobs without having to change their residence. In addition, the city must have a population in excess of 90,000 and a certain density of population must be observed. The emphasis in establishing an SMSA is on commuting patterns between workers' homes and residences. The Brockton SMSA is located in Southeastern Massachusetts. It is comprised of the City of Brockton and the Towns of Bridgewater, East Bridgewater, Halifax, West Bridgewater and Whitman, all in Plymouth County. Within Bristol County, the Town of Easton and within Norfolk County, the Town of Avon are also included in the Brockton SMSA. The Brockton SMSA is bordered on the north and east by the Boston SMSA and on the south by both the Plymouth and the Taunton Labor Market Areas.

The Brockton Consortium, used for CETA purposes, includes the City of Brockton and the Towns of Abington, Avon, Bridgewater, East Bridgewater, Easton, Hanson, Stoughton, West Bridgewater and Whitman.

B. Transportation Services

During these times of increasing fuel costs and, sometimes, shortages people are becoming increasingly aware of ways to reduce automobile usage. As a result they are looking more toward public and private mass transportation as an alternative to the use of the automobile.

"Often a barrier to the use of mass transportation is a lack of information about what services are available". In order to combat this lack of information and thus promote mass transportation usage the Old Colony Planning Council has prepared a report entitled Transit Directory for the Old Colony Region.

[1] Old Colony Planning Council, Transit Director for the Old Colony Region, January 1980.

This is an excellent report and lists public and private transit services, also taxi and limousine service in the Old Colony Region. Included in the report are bus routes by city and towns, schedules, fare information, maps of bus routes etc.

Two other alternative transportation programs worth considering are Masspools and Vanpools. Masspools (542-4080) which is offered by the Mass. Department of Public Works matches commuters interest in carpooling.

Vanpools offered by Caravan for Masspools, Inc. (742-2655) provide vans to commuter groups of 12 to 15 people living or working in the state. One member of each group drives and takes care of the van. The others split all costs through low monthly fares, which are less costly than driving alone.

C. Commuting Patterns

The tables in this section list by city and town the commuting patterns of individuals living in the Brockton SMSA. This information was provided by the Old Colony Planning Council and is derived from the 1970 census.

LABOR FORCE COMMUTING PATTERNS IN DETAIL
AVON - APRIL, 1970

COMMUNITY WORKED IN	NUMBER OF WORKERS	PERCENT
Avon	359	18.0
Boston, Except CBD	337	16.9
Boston, Central Business District	102	5.1
Brockton	292	14.6
Braintree	99	5.0
Randolph	85	4.3
Stoughton	79	4.0
Quincy	55	2.8
Needham	54	2.7
Waltham	51	2.6
Canton	44	2.2
Holbrook	33	1.7
Norfolk County (not specified)	30	1.5
Cambridge	27	1.4
Dedham	18	0.9
Pembroke	16	0.8
Bridgewater	13	0.6
Hanson	8	0.4
Whitman	7	0.4
Taunton	7	0.4
Abington	6	0.3
Easton	5	0.2
Other	266	13.3
Total Reported	1993	100.0
Not Reported	64	
Total Workers	2057	

LABOR FORCE COMMUTING PATTERNS IN DETAIL
BRIDGEWATER - APRIL, 1970

COMMUNITY WORKED IN	NUMBER OF WORKERS	PERCENT
Bridgewater	1367	33.8
Brockton	697	17.2
West Bridgewater	296	7.3
Boston, Except CBD	232	5.7
Boston, Central Business District	18	0.4
East Bridgewater	147	3.6
Quincy	110	2.7
Canton	77	1.9
Taunton	64	1.6
Stoughton	48	1.2
Whitman	44	1.1
Middleboro	43	1.1
Braintree	41	1.0
Newton	38	0.9
Easton	37	0.9
Cambridge	33	0.8
Dedham	32	0.8
Everett	30	0.7
Abington	27	0.7
Avon	26	0.6
Randolph	25	0.6
Needham	20	0.5
Hanover	18	0.4
New Bedford City	18	0.4
Plymouth	18	0.4
Hanson	12	0.3
Rockland	6	0.2
Other	526	13.0
Total Reported	4050	100.0
Not Reported	212	
Total Workers	4262	

LABOR FORCE COMMUTING PATTERNS IN DETAIL
BROCKTON - APRIL, 1970

COMMUNITY WORKED IN	NUMBER OF WORKERS	PERCENT
Brockton	17678	54.9
Boston, Outside CBD	2968	9.2
Boston, Central Business District	734	2.3
Quincy	990	3.1
Braintree	724	2.2
Stoughton	653	2.0
Randolph	637	2.0
Canton	476	1.5
Bridgewater	465	1.4
Avon	422	1.3
Whitman	340	1.1
Plymouth County (not specified)	296	0.9
West Bridgewater	280	0.9
Easton	258	0.8
Weymouth	258	0.8
Holbrook	253	0.8
Waltham	251	0.8
Cambridge	237	0.7
Needham	219	0.7
Norwood	196	0.6
Abington	184	0.6
Dedham	172	0.5
East Bridgewater	153	0.5
Rockland	146	0.4
Brookline	145	0.4
Newton	132	0.4
Framingham	117	0.4
East Hampton	97	0.3
Norfolk County (not specified)	97	0.3
Taunton	94	0.3
Walpole	94	0.3
Milton	88	0.3
Plymouth	85	0.3
Hanover	80	0.2
South Hadley	73	0.2
Foxborough	73	0.2
Westwood	72	0.2
Natick	71	0.2
Middleboro	63	0.2
Hingham	63	0.2
Beverly	61	0.2
Watertown	60	0.2
Chelsea	58	0.2
Somerville	53	0.2
Bristol County (not specified)	50	0.2
Peabody	50	0.2
Marshfield	49	0.2
Raynham	43	0.1
Burlington	40	0.1
Wellesley	39	0.1

- LABOR FORCE COMMUTING PATTERNS IN DETAIL
BROCKTON - APRIL, 1970 (CONTINUED)

COMMUNITY WORKED IN	NUMBER OF WORKERS	PERCENT
Norfolk	38	0.1
Medford	38	0.1
Fall River	38	0.1
Pembroke	37	0.1
Bedford	36	0.1
Sharon	31	0.1
Dighton	29	0.1
Palmer	28	0.1
Attleboro	28	0.1
Lynn	27	0.1
Lakeville	27	0.1
Mansfield	26	0.1
Arlington	26	0.1
Salem	25	0.1
Lowell	24	0.1
Scituate	22	0.1
New Bedford City	21	0.1
Norton	19	0.1
Winthrop	15	0.1
Hanson	14	+
N. Attleboro	13	+
Fall River	8	+
Other	696	2.2
Total Reported	32203	100.0
Not Reported	2589	
Total Workers	34792	

LABOR FORCE COMMUTING PATTERNS IN DETAIL
EAST BRIDGEWATER - APRIL, 1970

COMMUNITY WORKED IN	NUMBER OF WORKERS	PERCENT
East Bridgewater	773	24.4
Brockton	671	21.2
Bridgewater	253	8.0
Boston, Except CBD	212	6.7
Boston, Central Business District	31	1.0
Whitman	135	4.3
Quincy	106	3.4
West Bridgewater	85	2.7
Braintree	72	2.3
Rockland	42	1.3
Plymouth	40	1.3
Stoughton	39	1.2
Hanson	32	1.0
Middleboro	31	1.0
Abington	28	0.9
Hanover	27	0.8
Taunton	27	0.8
Foxboro	27	0.8
Easton	24	0.8
Randolph	23	0.7
Suffolk County (Not Specified)	22	0.7
Natick	22	0.7
Pembroke	21	0.7
Cambridge	21	0.7
Newton	20	0.6
Norwood	16	0.5
Canton	15	0.5
Brookline	15	0.5
Milton	14	0.4
Raynham	14	0.4
Avon	13	0.4
Holbrook	13	0.4
Weymouth	11	0.4
Framingham	11	0.4
Needham	8	0.2
Sharon	7	0.2
N. Attleboro	7	0.2
Norton	7	0.2
Chelsea	7	0.2
Other	224	7.1
Total Reported	3166	100.0
Not Reported	113	
Total Workers	3279	

LABOR FORCE COMMUTING PATTERNS IN DETAIL
EASTON - APRIL, 1970

COMMUNITY WORKED IN	NUMBER OF WOKERS	PERCENT
Easton	1272	28.9
Brockton	956	21.7
Boston, Except CBD	379	8.6
Boston, Central Business District	79	1.8
Canton	166	3.8
Stoughton	143	3.2
Marshfield	110	2.5
Norwood	99	2.2
Taunton	77	1.8
Quincy	55	1.5
West Bridgewater	65	1.5
Attleboro	65	1.5
Braintree	64	1.5
East Bridgewater	61	1.4
Randolph	46	1.0
Walpole	40	0.9
Mansfield	39	0.9
Needham	32	0.7
Newton	32	0.7
Cambridge	27	0.6
Bridgewater	27	0.6
Westwood	25	0.6
Waltham	23	0.5
Norton	20	0.4
New Bedford City	20	0.4
Plymouth	20	0.4
Whitman	19	0.4
Weymouth	19	0.4
Abington	16	0.4
Holbrook	14	0.3
Dedham	14	0.3
Rockland	13	0.3
Bristol County (not specified)	12	0.3
Raynham	7	0.2
North Attleboro	7	0.2
Milton	7	0.2
Sharon	6	0.1
Hanover	6	0.1
Other	305	6.9
Total Reported	4397	100.0
Not Reported		

LABOR FORCE COMMUTING PATTERNS IN DETAIL
HALIFAX - APRIL, 1970

COMMUNITY WORKED IN	NUMBER OF WORKERS	PERCENT
Halifax	208	18.0
Brockton	137	11.9
Boston, Except Central Business District	122	10.6
Hanson	75	6.5
Hanover	51	4.4
Sharon	49	4.2
Quincy	45	3.9
East Bridgewater	45	3.9
Rockland	39	3.4
Plymouth	36	3.1
Bridgewater	33	2.9
Kingston	29	2.5
Pembroke	25	2.2
Weymouth	21	1.8
Whitman	21	1.8
Canton	7	0.6
Braintree	7	0.6
Abington	7	0.6
West Bridgewater	7	0.6
Easton	7	0.6
Avon	7	0.6
Other	177	15.3
Total Reported	1155	100.0
Not Reported	9	
Total Workers	1164	

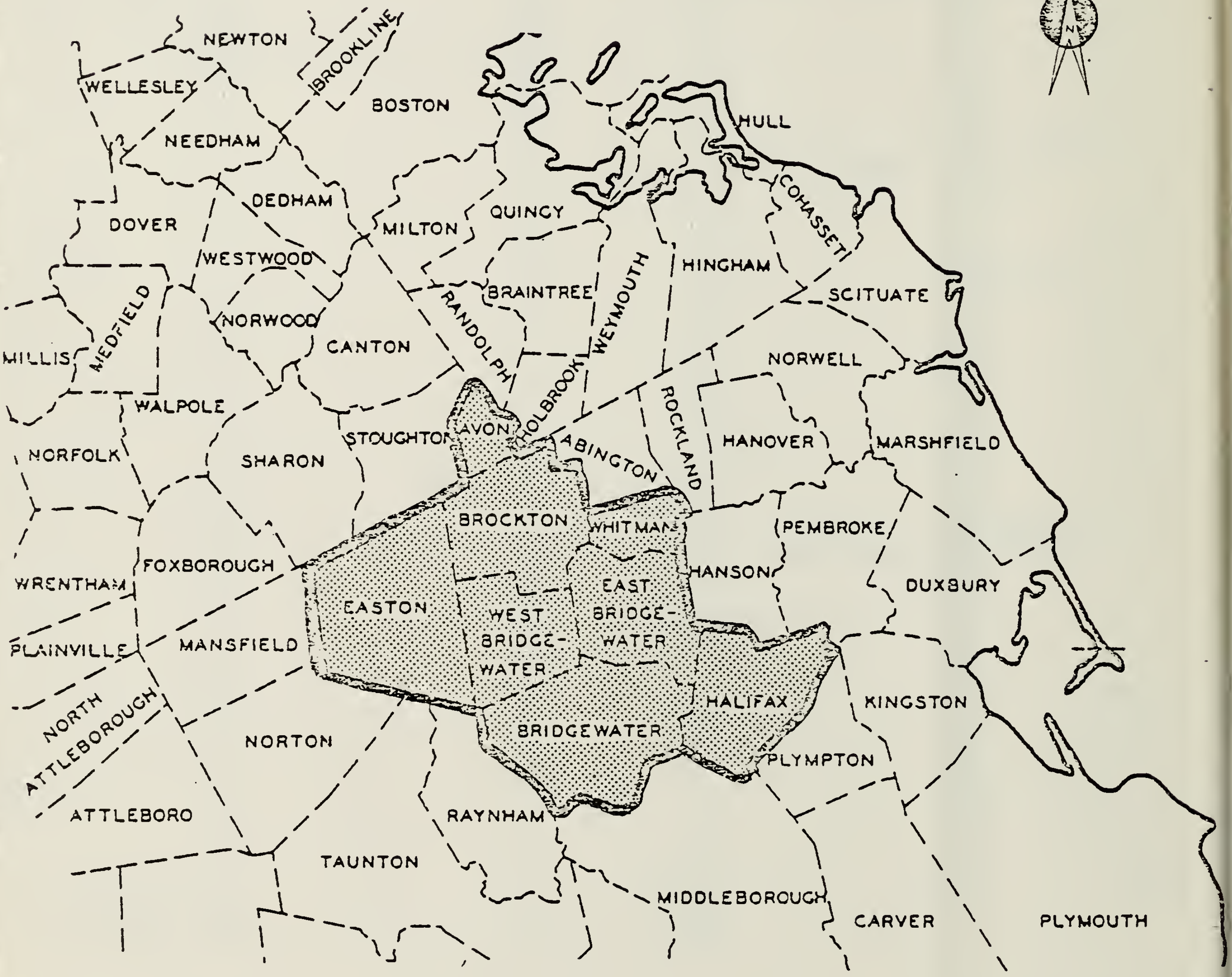
LABOR FORCE COMMUTING PATTERNS IN DETAIL
WEST BRIDGEWATER - APRIL, 1970

COMMUNITY WORKED IN	NUMBER OF WORKERS	PERCENT
Brockton	745	30.6
West Bridgewater	509	20.9
Bridgewater	259	10.6
Boston, Except CBD	90	3.7
Boston, Central Business District	44	1.8
Easton	50	2.0
Stoughton	50	2.0
Quincy	44	1.8
Mansfield	39	1.6
Weymouth	35	1.4
Whitman	32	1.3
Waltham	27	1.1
Randolph	25	1.0
Walpole	24	1.0
Avon	23	0.9
Needham	23	0.9
East Bridgewater	22	0.9
Braintree	20	0.8
Fall River	19	0.8
Pembroke	18	0.7
Rockland	17	0.7
Taunton	17	0.7
Canton	13	0.5
Sharon	8	0.3
Milton	6	0.3
Dedham	6	0.3
Hanover	6	0.2
New Bedford City	6	0.2
Attleboro	6	0.2
North Attleboro	6	0.2
Raynham	6	0.2
Holbrook	4	0.2
Other	238	9.8
Total Reported	2437	100.0
Not Reported	205	
Total Workers	2642	

LABOR FORCE COMMUTING PATTERNS IN DETAIL
WHITMAN - APRIL, 1970

COMMUNITY WORKED IN	NUMBER OF WORKERS	PERCENT
Whitman	1575	32.3
Brockton	640	13.1
Boston, Except CBD	458	9.4
Boston, Central Business District	81	1.7
Quincy	254	5.2
Braintree	213	4.4
Abington	196	4.0
Rockland	154	3.2
Weymouth	101	2.1
Bridgewater	89	1.8
Bristol County (not specified)	79	1.6
Hanson	75	1.5
Hanover	62	1.3
Randolph	52	1.1
East Bridgewater	51	1.0
Plymouth	38	0.8
Holbrook	37	0.8
Westwood	36	0.7
Newton	33	0.7
Pembroke	33	0.7
Wakefield	33	0.7
Malden	29	0.6
Norwood	26	0.5
West Bridgewater	25	0.5
Suffolk County (not specified)	23	0.5
Avon	22	0.4
Lynn	21	0.4
Sharon	20	0.4
Milton	20	0.4
Taunton	18	0.4
Needham	15	0.3
Stoughton	15	0.3
Easton	12	0.2
Fall River	7	0.1
Attleboro	6	0.1
Norton	6	0.1
Dedham	6	0.1
Other	311	6.4
Total Reported	4872	100.0
Not Reported	252	
Total Workers	5124	

BROCKTON SMSA



MASSACHUSETTS DEPARTMENT OF COMMUNITY AFFAIRS

BUREAU OF REGIONAL PLANNING

10 0 10 20

SCALE IN MILES

as defined by
U. S. Office of Mgmt & Budget
27 April 1973

ASSUMPTIONS AND PROJECTIONS FOR THE ECONOMY
COMMONWEALTH OF MASSACHUSETTS
FEDERAL FISCAL YEAR 1981 (FFY '81)

II. The Job Market Research staff of the Division of Employment Security has the responsibility for analyzing and reporting changes in the State's employment and unemployment. Nevertheless, even with the most current data and with computer models of the national and state economies, projecting economic conditions is extremely difficult in these times of rapid changes. (At the national level, for example, projections of the FFY '81 average unemployment rate have been increased by almost two percentage points in a recent two-month period.) The economic assumptions for Massachusetts were based on data available at the beginning of June 1980.

1. Employment

Employment by industry groups has been projected for the coming fiscal year. Detailed projections are analyzed in a later section of this report. Total employment in Massachusetts is expected to range around 2,705,000 for FFY '81. This is an expected decline of 5,000 from FFY '80. Wage and salary employment projections by industry group for FFY '81 range around the levels shown below:

Industry	Employment Projected FFY 1981 in 000's
TOTAL NONAGRICULTURAL EMPLOYMENT	2,655.4
Manufacturing - Total	669.4
Durable goods	406.1
Nondurable goods	263.3
Construction	78.0
Transportation, Communications & Public Utilities	119.1
Wholesale and Retail Trade	589.2
Finance, Insurance and Real Estate	151.8
Services 1/	626.1
Government - Total	421.6
Federal	60.8
State	98.1
Local	262.8

1/ Includes part of Agriculture and Mining

2. Unemployment Rate

We expect Massachusetts to average approximately one-half to one percentage point below the national average rate. As of this writing, the Data Resources Incorporated (DRI) national forecast is for an 8.5 percent average unemployment rate during FFY '81. This would give Massachusetts an average unemployment rate of about 8 percent over the same time period.

3. Labor Turnover

The labor turnover in Massachusetts is expected to follow the 1971 trend during which new hires and quits fell 30 percent to levels below 2.0 per 100 employees. Total accessions are expected to be fewer than total separations by a ratio of 2 to 3.

4. Wages and Inflation

Total wages are expected to increase by approximately 11 percent. Purchasing power is not expected to rise by as much as wages because inflation will continue to reduce the value of the dollar. During FFY '80 inflation has risen to 13.5 percent, but is expected to be less in FFY'81 -- perhaps down to 10 percent. It is doubtful that consumers will continue purchasing at the FFY '80 rate, which is already considerably lower than FFY '79 in real terms.

5. Credit

The cost of financing current purchases is expected to remain high, but well below the FFY '80 peak which saw a prime rate of 20 percent. The mortgage rates are projected to be around 11.0-11.5 percent in FFY '80, and consumer credit in a range of 11-12 percent. All interest rates are highly sensitive to changes in U. S. Treasury or Federal Reserve Bank policies.

6. Defense Contracts

Defense contract spending, vital to the health of the Massachusetts economy, is expected to remain stable at its current levels. Massachusetts is among the top 10 states in the receipt of defense contracts with a value greater than $10,000. The nearly $3 billion awarded to the Commonwealth's firms represents over 5 percent of the total awards.

7. Energy

Because the Massachusetts industrial mix is relatively nonenergy intensive, we do not expect the upward trend in energy prices to affect Massachusetts as much as the rest of the country. During 1979, industries coped with rising energy costs through conservation, conversion, and cogeneration.

B. Barriers to Employment of Economically Disadvantaged

The barriers affecting the employment of those that are considered economically disadvantaged are many and are difficult for many to overcome.

These barriers include:

(1) Lack of Suitable Job Openings There may be many job orders listed with The Division of Employment Security Office; unfortunately many of these jobs involve low pay, unattractive working conditions or a need for highly skilled qualifications without any training being offered to allow entry into the field.

(2) Lack of Skills Most of the economically disadvantaged have an employment background in occupations which require very little skill. Therefore, the majority of economically disadvantaged are competing against one another for any positions of this type, thereby keeping the wage level at a low rate. Another group affected by this barrier to employment are those people making their first entry into the labor force or possibly a reentry after several years away from the labor force.

(3) Language Barriers The inability to communicate effectively in the English language compounds the difficulty in acquiring a meaningful job for many of the economically disadvantaged. There is a definite need for training programs with emphasis on "English as a second language" for those with this particular problem.

(4) Age Age presents another barrier to the economically disadvantaged in the search for suitable work. Those under the age of 22 have a difficult time obtaining a position that offers any upward mobility. In addition, many positions require several months of experience for entry. These factors make it difficult for those under the age of 22 to find a job that will give them any meaningful experience towards a more secure and better paying job. The age barrier often affects those over 44 years of age also. Even though the law prohibits against discrimination because of age many people in the category over 44 years of age find obtaining work extremely difficult due to their age.

(5) Day Care Facilities Single parents, especially women, that are economically disadvantaged are unable to obtain work because of the lack of suitable day care centers for their children. One of the major considerations a person with responsibility for children has when seeking work is the cost and location of day care service. Many jobs available offer such a low starting wage as to prohibit the single parent from taking the position because the wage will not be sufficent to allow for living expenses plus the cost of day care.

(6) Transportation Many low and middle income residents are unable to obtain work due to the lack of transportation. Some of the work available to these people is outside of the area served by public transportation. Furthermore, many of the night shift jobs available, which are at a higher rate of pay, are unavailable to this segment of the population due to the lack of a suitable method of transportation.

TABLE

TOTAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1974 - 1985 PERIOD
BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
TOTAL, ALL OCCUPATIONS	55,084	61,803	32,336	6,719	25,617
Professional, Technical, Kindred	6,594	7,659	4,079	1,065	3,014
Engineers, Technical	739	833	226	94	132
Engineers, Aero-Astronautical	*	*	*	*	*
Engineers, Chemical	*	*	*	*	*
Engineers, Civil	134	156	55	22	33
Engineers, Electrical	203	225	44	22	22
Engineers, Industrial	146	164	51	18	33
Engineers, Mechanical	164	188	57	24	33
Engineers, Metallurgical	0	0	0	0	0
Engineers, Mining	0	0	0	0	0
Engineers, Petroleum	0	0	0	0	0
Engineers, Sales	24	25	1	1	0
Engineers, Other	53	59	17	6	11
Life & Physical Scientists	70	80	32	10	22
Agricultural Scientists	0	0	0	0	0
Atmospheric, Space Scientists	0	0	0	0	0
Biological Scientists	*	*	*	*	*
Chemists	58	66	30	8	22
Geologists	0	0	0	0	0
Marine Scientists	0	0	0	0	0
Physicists & Astronomers	*	*	*	*	*
Life, Physical Scientists, N.E.C.	0	0	0	0	0
Mathematical Specialists	23	30	18	7	11
Actuaries	21	28	18	7	11
Mathematicians	0	0	0	0	0
Statisticians	*	*	*	*	*
Engineers, Science Technicians	608	741	243	133	110
Agricultural & Biological Technicians, Except Health	*	*	*	*	*
Chemical Technicians	*	*	*	*	*
Drafters	279	336	112	57	55
Electrical & Electronic Technicians	171	207	58	36	22
Industrial Engineering Technicians	18	21	3	3	0
Mathematical Technicians	0	0	0	0	0
Mechanical Engineering Technicians	*	*	*	*	*
Surveyors	32	39	18	7	11
Engineering, Science Technicians, N.E.C.	88	106	40	18	22
Medical Workers, Except Technicians	1,109	1,389	1,061	280	781
Chiropractors	0	0	0	0	0
Dentists	49	69	42	20	22
Dietitians	28	28	22	0	22
Optometrists	*	*	*	*	*
Pharmacists	108	118	54	10	44
Physicians, M. D. Osteopaths	107	143	91	36	55
Podiatrists	0	0	0	0	0
Registered Nurses	729	886	729	157	572
Therapists	83	136	119	53	66
Veterinarians	0	0	0	0	0
Other Medical & Health Workers	0	0	0	0	0

TABLE (Continued)

BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Health Technologists & Technicians	269	397	370	128	242
Clinical Lab. Technologists & Technicians	110	132	99	22	77
Dental Hygienists	32	65	88	33	55
Health Record Technologists & Technicians	15	25	32	10	22
Radiological Technologists & Technicians	53	66	57	13	44
Therapy Assistants	15	34	30	19	11
Other Health Technologists & Technicians	44	75	64	31	33
Technicians, Except Health	71	106	46	35	11
Airplane Pilots	0	0	0	0	0
Air Traffic Controllers	11	11	0	0	0
Embalmers	*	*	*	*	*
Flight Engineers	0	0	0	0	0
Radio Operators	14	17	3	3	0
Tool Programmers, Numerical	*	*	*	*	*
Other Technicians, Except Health	40	72	43	32	11
Computer Specialists	180	227	91	47	44
Computer Programmers	104	128	57	24	33
Computer Systems Analysts	61	84	34	23	11
Other Computer Specialists	15	15	0	0	0
Social Scientists	60	78	29	18	11
Economists	20	27	7	7	0
Political Scientists	0	0	0	0	0
Psychologists	40	51	22	11	11
Sociologists	0	0	0	0	0
Urban & Regional Planners	0	0	0	0	0
Other Social Scientists	0	0	0	0	0
Teachers	1,515	1,472	760	-43	803
Adult Education Teachers	31	37	17	6	11
College & University Teachers	160	160	44	0	44
Elementary School Teachers	500	520	372	20	352
Preschool & Kindergarten Teachers	99	104	71	5	66
Secondary School Teachers	583	494	153	-89	242
Teachers, N.E.C., Except Colleges & Universities	142	157	103	15	88
Writers, Artists, & Entertainers	534	679	365	145	220
Actors	0	0	0	0	0
Athletes & Kindred Workers	24	33	20	9	11
Authors	15	11	-4	-4	0
Dancers	0	0	0	0	0
Designers	167	204	92	37	55
Editors & Reporters	73	98	69	25	44
Musicians & Composers	52	65	35	13	22
Painters & Sculptors	63	80	50	17	33
Photographers	53	63	21	10	11
Public Relations Specialist	42	56	36	14	22
Radio & TV Announcers	*	*	*	*	*
Writers, Artists, & Entertainers, N.E.C.	38	62	46	24	22
Other Professional & Technical	1,416	1,627	838	211	627
Accountants	577	598	241	21	220
Architects	27	33	17	6	11
Archivists & Curators	0	0	0	0	0
Clergy	112	125	68	13	55
Religious, Except Clergy	20	24	15	4	11
Farm Management Advisors	0	0	0	0	0

TABLE (Continued))

BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Foresters & Conservationists	12	16	4	4	0
Home Management Advisors	0	0	0	0	0
Judges	*	*	*	*	*
Lawyers	129	135	72	6	66
Librarians	76	83	62	7	55
Operations, Systems Research	67	122	66	55	11
Personnel Labor Relations	122	139	61	17	44
Research Workers, N.E.C.	20	33	24	13	11
Recreation Workers	80	98	62	18	44
Social Workers	111	122	77	11	66
Vocational, Education Counselors	59	95	69	36	33
anagers, Officials, & Proprietors	5,866	6,851	3,106	985	2,121
Buyers, Sales, & Loan Managers	1,166	1,571	834	405	429
Bank, Financial Managers	260	342	181	82	99
Credit Managers	48	68	42	20	22
Buyers, Shippers, Farm Products	*	*	*	*	*
Buyers, Wholesale, Retail	121	180	125	59	66
Purchasing Agents, Buyers, N.E.C.	93	118	58	25	33
Sales Manager, Retail Trade	425	592	321	167	154
Sales Manager, Except Retail Trade	214	264	105	50	55
Administrators, Public Inspectors	517	625	361	108	253
Assessors, Controllers, Local Public Administration.	*	*	*	*	*
Construction Inspectors, Public Administration	11	12	12	1	11
Health Administrators	148	196	136	48	88
Inspectors, Except Construction, Public Admin.	60	72	34	12	22
Officials & Administrators, Public Admin.	155	161	72	6	66
Postmasters & Mail Superintendents	18	14	7	-4	11
School Administrators, College	45	71	48	26	22
School Administrators, Elementary & Secondary	78	97	52	19	33
Other Managers, Officials, & Proprietors	4,183	4,655	1,911	472	1,439
Funeral Directors.	28	28	11	0	11
Managers, Superintendents, Building	28	35	29	7	22
Office Managers, N.E.C.	214	272	67	58	9
Officers, Pilots, Pursers, Ship	0	0	0	0	0
Officials of Lodges, Unions	31	32	12	1	11
Railroad Conductors	22	43	32	21	11
Restaurant, Cafe & Bar Managers	465	485	174	20	154
Other Managers & Administrators, N.E.C.	3,395	3,760	1,586	365	1,221
ales Workers	3,680	4,354	2,500	674	1,826
Advertising Agents, Sales Workers	36	49	35	13	22
Auctioneers	0	0	0	0	0
Demonstrators	27	39	34	12	22
Hucksters & Peddlers	101	130	84	29	55
Insurance Agents, Brokers, etc.	409	516	272	107	165
Newspaper Carriers & Vendors	40	37	8	-3	11
Real Estate Agents, Brokers	159	164	93	5	88
Stock & Bond Sales Agents	49	45	18	-4	22
Sales & Sales Workers, N.E.C.	2,859	3,374	1,956	515	1,441

TABLE 25 (Continued)

BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Clerical Workers	9,835	11,773	8,857	1,938	6,919
Stenographers, Typists & Secretaries	2,659	3,403	3,241	744	2,497
Secretaries, Legal	104	117	112	13	99
Secretaries, Medical	74	105	108	31	77
Secretaries, Other	1,798	2,404	2,344	606	1,738
Stenographers	39	24	7	-15	22
Typists	644	753	670	109	561
Office Machine Operators	527	508	245	-19	264
Bookkeeping, Billing Operators	39	32	15	-7	22
Calculating Machine Operators	19	13	5	-6	11
Computer, Peripheral Equipment Operators	133	166	66	33	33
Duplicating Machine Operators	*	*	*	*	*
Keypunch Operators	251	200	103	-51	154
Tabulating Machine Operators	0	0	0	0	0
Other Office Machine Operators	76	84	52	8	44
Other Clerical Workers	6,649	7,862	5,371	1,213	4,158
Bank Tellers	206	247	195	41	154
Billing Clerks	92	145	141	53	88
Bookkeepers	1,270	1,312	944	42	902
Cashiers	808	928	714	120	594
Clerical Assistants, Social Welfare	0	0	0	0	0
Clerical Supervisors, N.E.C.	146	177	108	31	77
Collectors, Bill & Account	25	25	11	0	11
Counter Clerks, Except Food	229	278	214	49	165
Dispatchers, Starters, Vehicle	35	44	20	9	11
Enumerators & Interviewers	19	15	7	-4	11
Estimators, Investigators, N.E.C.	231	262	152	31	121
Expeditors, Production Controllers	113	141	72	28	44
File Clerks	158	167	130	9	121
Insurance Adjusters & Examiners	169	224	121	55	66
Library Attendants & Assistants	99	115	93	16	77
Mail Carriers, Post Office	192	181	22	-11	33
Mail Handlers, Except Post Office	82	118	80	36	44
Messengers & Office Helpers	20	24	15	4	11
Meter Readers, Utilities	45	40	6	-5	11
Payroll, Time Keeping Clerks	94	103	75	9	66
Postal Clerks	221	209	54	-12	66
Proofreaders	20	26	28	6	22
Real Estate Appraisers	27	31	26	4	22
Receptionist	166	203	191	37	154
Shipping, Receiving Clerks	472	551	222	79	143
Statistical Clerks	128	139	99	11	88
Stock Clerks, Storekeepers	281	350	179	69	110
Teachers' Aides, Except Monitors	78	135	101	57	44
Telegraph Messengers	0	0	0	0	0
Telegraph Operators	*	*	*	*	*
Telephone Operators	335	271	156	-64	220
Ticket Station & Express Agents	61	62	23	1	22
Weighers	13	16	14	3	11
Miscellaneous Clerical Workers, N.E.C.	811	1,323	1,161	512	649

TABLE (Continued)
BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Craft & Kindred Workers	8,686	9,486	3,022	800	2,222
Construction Crafts Workers	2,348	2,618	842	270	572
Carpenters & Apprentices	771	830	268	59	209
Brick & Stonemasons & Apprentices	77	84	18	7	11
Bulldozer Operators	33	46	24	13	11
Cement & Concrete Finishers	*	*	*	*	*
Electricians & Apprentices	446	493	135	47	88
Excavating, Grading & Machine Operators	106	143	59	37	22
Floor Layers, Except Tile Setters	14	14	0	0	0
Painters & Apprentices	289	284	83	-5	88
Paperhangers	*	*	*	*	*
Plasterers & Apprentices	*	*	*	*	*
Plumbers, Pipefitters & Apprentices	375	449	173	74	99
Roofers & Slaters	89	116	49	27	22
Structural Metal Craft Workers	67	85	29	18	11
Tilesetters	56	48	3	-8	11
Blue-Collar Worker Supervisors, N.E.C.	1,173	1,305	484	132	352
Metalworking Craft Workers, Except Mechanics	945	954	218	9	209
Blacksmiths	0	0	0	0	0
Boilermakers	19	29	21	10	11
Heat Treaters, Annealers, & Temperers	*	*	*	*	*
Forge & Hammer Operators	10	11	1	1	0
Job & Die Setters, Metal	26	29	14	3	11
Machinists & Apprentices	403	399	84	-4	88
Millwrights	29	26	8	-3	11
Molders & Apprentices, Metal	91	82	13	-9	22
Pattern & Model Makers	45	29	-5	-16	11
Rollers & Finishers, Metal	11	11	0	0	0
Sheetmetal Workers & Apprentices	197	208	44	11	33
Tool & Diemakers & Apprentices	111	127	38	16	22
Mechanics, Repairers, & Installers	2,035	2,432	804	397	407
Air Cond., Heating, & Refrig. Mechanics & Repairers	246	328	126	82	44
Aircraft Mechanics	40	30	-10	-10	0
Auto Accessories Installers	0	0	0	0	0
Auto Body Repairers	130	121	2	-9	11
Auto Mechanics & Apprentices	625	733	229	108	121
Data Processing Machine Repairers	57	93	47	36	11
Farm Implement Mechanics	13	24	11	11	0
Heavy Equipment Mechanics Including Diesel	375	425	138	50	88
Household Appliance Mechanics	143	157	47	14	33
Loom Fixers	*	*	*	*	*
Office Machine Repairers	52	91	50	39	11
Radio & Television Repairers	148	215	100	67	33
Railroad & Car Shop Repairers	16	27	22	11	11
Other Mechanics & Apprentices	186	181	39	-5	44
Printing Trade Craft Workers	369	378	119	9	110
Bookbinders	17	18	10	1	9
Composition & Typesetters	169	149	35	-20	55
Electrotypers & Stereotypers	*	*	*	*	*
Engravers, Except Photoengravers	0	0	0	0	0
Photoengravers & Lithographers	34	39	16	5	11
Pressmen, Plate Printers & Apprentices	142	168	59	26	33

TABLE (Continued)
BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Transportation, Public Utility Crafts	439	411	5	-28	33
Electric Power Line Installers & Repairers	72	74	13	2	11
Locomotive Engineers	0	0	0	0	0
Locomotive Engineers Helpers	0	0	0	0	0
Power Station Operators	18	15	-3	-3	0
Telephone Installers & Repairers	305	289	6	-16	22
Telephone Line Installers & Splicers	44	33	-11	-11	0
Other Crafts, Kindred Workers	1,377	1,388	550	11	539
Bakers	121	112	53	9	44
Cabinetmakers	73	73	22	0	22
Carpet Installers	55	64	9	9	0
Crane, Derrick, & Hoist Operators	79	86	29	7	22
Decorators & Window Dressers	44	47	25	3	22
Dental Laboratory Technicians	33	26	4	-7	11
Furniture & Wood Finishers	12	11	-1	-1	0
Furriers	0	0	0	0	0
Glaziers	47	70	34	23	11
Inspectors, Log & Lumber	0	0	0	0	0
Inspectors, Other	54	60	28	6	22
Jewelers & Watchmakers	22	23	12	1	11
Millers, Grain, Flour, Feed	0	0	0	0	0
Motion Picture Projectionists	0	0	0	0	0
Opticians, Lens Grinders & Polishers	53	100	69	47	22
Piano & Organ Tuners & Repairers	11	14	14	3	11
Shipfitters	350	373	188	23	165
Shoe Repairers	63	30	0	-33	33
Sign Painters & Letterers	*	*	*	*	*
Stationary Engineers	118	112	38	-6	44
Stone Cutters & Stone Carvers	0	0	0	0	0
Tailors	42	34	14	-8	22
Upholsterers	22	25	14	3	11
Craft & Kindred Workers, N.E.C.	174	124	16	-50	66
Operatives	10,195	10,211	4,009	16	3,993
Operatives, Except Transportation	8,145	8,046	3,454	-99	3,553
Semiskilled Metal Working	860	864	268	4	264
Drill Press Operators	49	52	25	3	22
Furnace Tenders, Smelters, & Pourers, Metal	24	23	10	-1	11
Grinding Machine Operatives	67	66	21	-1	22
Heaters, Metal	0	0	0	0	0
Lathe & Milling Machine Operatives	115	114	32	-1	33
Metal Platers	17	20	3	3	0
Other Precision Machine Operatives	71	70	21	-1	22
Punch & Stamping Press Operatives	72	58	8	-14	22
Solderers	83	55	16	-28	44
Welders & Flame Cutters	362	406	132	44	88
Semiskilled Textile	272	227	76	-45	121
Carding, Lapping, & Combing Operatives	0	0	0	0	0
Knitters, Loopers, & Toppers	25	19	5	-6	11
Spinners, Twisters, & Winders	21	23	13	2	11
Weavers	112	75	18	-37	55
Other Textile Operatives	114	110	40	-4	44

TABLE (Continued)

BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Semiskilled Packing, Inspecting	1,127	1,261	739	134	605
Checkers, Examiners, & Inspectors, Mfg.	453	544	322	91	231
Graders & Sorters, Manufacturing	40	33	15	-7	22
Meat Wrappers, Retail Trade	52	66	47	14	33
Packers & Wrappers, Except Meat & Produce	579	613	353	34	319
Produce Graders & Packers, Except Factory & Farm	*	*	*	*	*
Other Operatives, Except Transportation	5,886	5,694	2,371	-192	2,563
Asbestos & Insulation Workers	39	56	28	17	11
Assemblers	885	1,055	643	170	473
Blasters	0	0	0	0	0
Bottling & Canning Operatives	24	22	9	-2	11
Surveyor Helpers	*	*	*	*	*
Clothing Ironers & Pressers	107	66	3	-41	44
Cutting Operatives, N.E.C.	169	165	73	-4	77
Dressmakers, Except Factory	42	34	25	-8	33
Drillers, Earth	13	16	3	3	0
Dry Wall Installers, & Lathers	111	114	14	3	11
Dyers	26	30	15	4	11
Filers, Polishers, Sanders, & Buffers	38	32	5	-6	11
Garage Workers & Gas Station Attendants	142	133	13	-9	22
Laundry & Dry Cleaning Operatives, N.E.C.	125	140	92	15	77
Meat Cutters & Butchers, Except Mfg.	227	226	76	-1	77
Meat Cutters, Butchers	*	*	*	*	*
Milliners	0	0	0	0	0
Mine Operatives, N.E.C.	0	0	0	0	0
Mixing Operatives	60	47	-2	-13	11
Oilers & Greasers, Except Auto	13	9	-4	-4	0
Painters, Manufactured Articles	122	112	23	-10	33
Photographic Process Workers	58	69	44	11	33
Riveters & Fasteners	28	24	7	-4	11
Sailors & Deckhands	*	*	*	*	*
Sawyers	30	36	17	6	11
Sewers & Stitchers	799	698	405	-101	506
Shoemaking Machine Operatives	489	304	35	-185	220
Furnace Tenders & Stokers, Except Metal	52	45	15	-7	22
Winding Operatives, N.E.C.	33	35	13	2	11
Miscellaneous Machine Operatives	944	916	324	-28	352
Operatives, N.E.C.	1,295	1,293	493	-2	495
Transportation Equipment Operatives	2,050	2,165	555	115	440
Boat Operators	0	0	0	0	0
Bus Drivers	333	350	138	17	121
Conductors & Operators, Urban Rail Transit	11	11	0	0	0
Delivery & Route Workers	462	497	123	35	88
Fork Lift & Tow Motor Operators	151	176	47	25	22
Rail Vehicle Operators, N.E.C.	0	0	0	0	0
Parking Attendants	*	*	*	*	*
Railroad Brake Operators	15	11	-4	-4	0
Railroad Switch Operators	*	*	*	*	*
Taxicab Drivers & Chauffeurs	88	93	38	5	33
Truck Drivers	981	1,015	210	34	176
Service Workers	7,699	8,812	5,975	1,113	4,862
Cleaning Service Workers	960	1,117	751	157	594
Lodging Quarters Cleaners, Except Private Household	61	72	66	11	55
Building Interior Cleaners, N.E.C.	284	379	304	95	209
Janitors & Sextons	615	666	381	51	330

TABLE [illegible] (Continued)

BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Food Service Workers	3,522	3,880	2,426	358	2,068
Bartenders	192	219	115	27	88
Waiter's Assistants	45	47	13	2	11
Cooks, Except Private	716	839	464	123	341
Dishwashers	180	199	96	19	77
Food Counter & Fountain Workers	589	626	389	37	352
Waiters	1,393	1,508	1,061	115	946
Food Workers, N.E.C., Except Private	407	442	288	35	253
Health Service Workers	1,445	2,064	1,928	619	1,309
Dental Assistants	104	143	149	39	110
Health Aides, Except Nursing	92	127	123	35	88
Health Trainees	*	*	*	*	*
Lay Midwives	0	0	0	0	0
Nursing Aides, Orderlies, & Attendants	870	1,233	1,089	363	726
Practical Nurses	376	560	569	184	385
Personal Service Workers	637	678	481	41	440
Flight Attendants	0	0	0	0	0
Attendants, Recreation & Amusement	33	32	21	-1	22
Attendants, Personal Service, N.E.C.	20	22	24	2	22
Baggage Porters & Bellhops	*	*	*	*	*
Barbers	92	58	-1	-34	33
Boarding & Lodging Housekeepers	0	0	0	0	0
Bootblacks	0	0	0	0	0
Child Care Workers, Except Private	50	83	88	33	55
Elevator Operators	*	*	*	*	*
Hairdressers, Cosmetologists	327	370	296	43	253
Housekeepers, Except Private	74	76	46	2	44
School Monitors	*	*	*	*	*
Ushers, Recreation & Amusement	*	*	*	*	*
Welfare Service Aides	12	16	15	4	11
Protective & Service Workers	983	988	357	5	352
Crossing Guards & Bridgetenders	40	41	34	1	33
Fire Fighters	248	250	46	2	44
Guards	330	291	159	-39	198
Marshals & Constables	*	*	*	*	*
Police & Detectives	341	382	107	41	66
Sheriffs & Bailiffs	16	16	11	0	11
Private Household Workers	152	85	32	-67	99
Child Care Workers	49	25	9	-24	33
Cooks, Private	*	*	*	*	*
Housekeepers, Private	*	*	*	*	*
Launderers, Private Household	0	0	0	0	0
Cleaners & Servants, Private Household	89	52	29	-37	66
Laborers, Except Farm	2,267	2,484	767	217	550
Animal Caretakers, Except Farm	57	83	59	26	33
Carpenters, Helpers	31	29	-2	-2	0
Construction Laborers, Exc..Carpenter's.Help.	422	438	82	16	66
Fishers, Hunters, & Trappers	*	*	*	*	*
Freight, Material Handlers	313	317	70	4	66

TABLE (Continued)
BROCKTON SMSA

OCCUPATIONS	Employment 1974	Employment 1985	Labor Demand 1974 - 1985		
			Total Demand	Due to Growth	Due to Separations
Garbage Collectors	44	53	20	9	11
Gardeners & Groundskeepers, Except Farm	295	337	174	42	132
Longshore Workers & Stevedores	11	22	11	11	0
Timbercutting & Logging Workers	*	*	*	*	*
Stock Handlers	734	874	294	140	154
Teamsters	0	0	0	0	0
Vehicle Washers & Equipment Cleaners	56	53	8	-3	11
Warehouse Laborers, N.E.C.	131	116	7	-15	22
Other Laborers	167	156	44	-11	55
Farmers & Farm Workers	262	173	21	-89	110
Farmers & Farm Managers	98	65	11	-33	44
Farmers (Owners & Tenants)	90	56	10	-34	44
Farm Managers	*	*	*	*	*
Farm Laborers, Farm Supervisors	164	108	10	-56	66
Farm Labor Supervisors	14	11	8	-3	11
Farm Laborers, Wage Workers	111	65	-13	-46	33
Farm Laborers, Unpaid Family	39	32	15	-7	22
Farm Laborers, Self-Employed	0	0	0	0	0

* Employment figures suppressed for industries with less than 10 employees in both time periods.

OCCUPATIONS WITH LARGEST AVERAGE TOTAL DEMAND

BROCKTON SMSA

OCCUPATIONS	TOTAL DEMAND 1974-1985
Secretaries	2,344
Nursing Aides, Orderlies, & Attendants	1,089
Waiters/Waitresses	1,061
Bookkeepers	944
Registered Nurses	729
Cashiers	714
Typists	670
Assemblers	643
Practical Nurses	569
Cooks, except Private	464
Food Counter & Fountain Workers	389
Janitors	381
Elementary School Teachers	372
Packers & Wrappers	353
Checkers, Examiners & Inspectors, Mfg.	322
Sales Managers, Retail Trade	321
Sewers & Stitchers	305
Hairdressers & Cosmetologists	296
Insurance Agents,& Brokers	272
Carpenters & Apprentices	268
Accountants	241

OCCUPATIONS WITH LARGEST AVERAGE TOTAL DEMAND

BROCKTON SMSA

OCCUPATIONS	DUE TO GROWTH 1974-1985
Secretaries	606
Nursing Aides, Orderlies & Attendants	363
Practical Nurses	184
Assemblers	170
Sales Managers, Retail Trade	167
Registered Nurses	157
Stock Handlers	140
Cooks except Private	123
Cashiers	120
Waiters/Waitresses	115
Typists	109
Mechanics	108
Insurance Agents & Brokers	107
Checkers, Examiners & Inspectors, Mfg.	91
Child Care Workers	88
Air Conditioner, Heating & Refrigerator Repairers	82
Bank, Financial Managers	82
Shipping, Receiving Clerks	79
Plumbers, Pipefitters & Apprentices	74
Stock Clerks, Storekeepers	69

OCCUPATIONS WITH LARGEST AVERAGE TOTAL DEMAND

BROCKTON SMSA

OCCUPATIONS	DUE TO SEPARATION 1974-1985
Secretaries	1,738
Waiters/Waitresses	946
Bookkeepers	902
Nursing Aides, Orderlies & Attendants	726
Cashiers	594
Registered Nurses	572
Typists	561
Sewers & Stitchers	506
Assemblers	473
Practical Nurses	385
Elementary School Teachers	352
Food Counter & Fountain Workers	352
Cooks, except Private	341
Janitors & Sextons	330
Packers & Wrappers, except Meat & Produce	319
Hairdressers & Cosmetologists	253
Secondary School Teachers	242
Checkers, Examiners & Inspectors, Mfg.	231
Accountants	220
Telephone Operators	220

Table

Occupation Employment Projections
Brockton SMSA

	Employment		Labor Demand 1974 - 1985		
Occupation	1974	1985	Total Demand	Due to Growth	Due to Separation
	55,084	61,803	32,336	6,719	25,617
Professional, Technical and Kindred	6,594	7,659	4,079	1,065	3,014
Managers	5,866	6,851	3,106	985	2,121
Sales Workers	3,680	4,354	2,500	674	1,826
Clerical Workers	9,835	11,773	8,857	1,938	6,919
Crafts and Kindred Workers	8,686	9,486	3,022	800	2,222
Operatives	10,195	10,211	4,009	16	3,993
Service Workers	7,699	8,812	5,975	1,113	4,862
Laborers, except Farm	2,267	2,484	767	217	550
Farmers and Farm Workers	262	173	21	89	110

NOTE: May not add to totals due to rounding.

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
CHARACTERISTICS OF APPLICANTS
BROCKTON SMSA

Characteristics of Applicants	Registered Applicants	Individuals Counseled	Enrolled In Training
Age - All Ages	12,176	646	62
Under 20 years	1,283	42	4
20-21	1,040	46	6
22-24	1,569	89	7
25-29	1,938	127	6
30-39	3,090	164	25
40-44	1,033	44	10
45-54	1,412	87	3
55-64	670	39	1
65 years or older	141	8	1
Sex	12,176	646	62
Men	6,269	459	28
Women	5,907	187	34
Highest Grade of School Completed	12,176	646	62
0-07	319	15	0
8-11	3,473	166	12
12	6,040	355	44
Over 12 years	2,344	110	6
Handicapped	678	102	1
Welfare	3,275	144	33
Ethnic Group	12,176	646	62
White	11,057	594	57
Black	750	32	5
Other	372	115	0
Spanish Surname	249	10	0
Vietnam - ERA Veteran	606	44	3

SOURCE: ESARS

III. Population and Labor Force Characteristics

The population for the Brockton SMSA is projected to be 126,095 in fiscal year (FY) 1981. This is a 25 percent increase over the 1970 level of 100,791.

Between the period 1970 through 1981 all population groups will have increased, although the most significant increases are being experienced by minorities. For example, black males gain 52 percent, black females 72 percent, other males 78% and other females 33%.White males and white females change by 23 and 26 percent,respectively.

Even though all population groups increase between 1970 and 1981 the population share of the various groups remain virtually unchanged over the eleven year period. Black males and females both go up by 0.3 percentage point from 0.7 to 1.0. White males decline by 1 percentage point while white females gain by 1 percentage point.

Females remain the dominant population sex grouping with approximately 53% of the population in 1981.

Labor Force will have grown by a greater amount than the population between FY 1970 and 1981. It moves up by 34 percent from 61,267 in 1970 to 82,215 in 1981. Females have the greatest addition. White females jump 59 percent, black females 105 percent, and other females 46 percent. Black males also grow by a significant 52 percent.

There has been a notable change in the female share in the laborforce. White females go from 38 percent in 1970 to 45 percent in 1981. As would be expected white males show a drop, a decline of 7 percent. As a percent of the laborforce minorities have not made any advances. For example, black males were .90 percent in 1970 and in 1981 only .96.

In 1981 there will be a larger percentage of the population participating in the labor force. The participation rate (labor force ÷ by population 16 and over)expands from 60.9 in 1970 to 65.2 in 1981. As would be expected from previously observing the labor force total, females are responsible for this change.

Population and Labor Force Projections
Fiscal Year 1981
Brockton, Massachusetts SMSA

Category	Population		Labor Force		Participation Rate	
	1970	1981	1970	1981	1970	1981
White Males	47,095	57,901	36,976	43,564	78.5	75.2
16-19	4,790	7,218	2,746	5,283	57.3	73.2
20-24	5,068	6,552	4,002	5,165	79.0	78.8
25-34	8,975	9,393	8,491	8,408	94.6	89.5
35-44	8,473	11,025	7,890	9,638	93.1	87.4
45-64	14,121	16,803	12,229	12,586	86.6	74.9
65+	5,668	6,912	1,618	2,484	28.5	35.9
White Females	51,830	65,211	23,187	36,819	44.7	56.5
16-19	5,143	7,392	2,587	6,096	50.3	82.5
20-24	5,819	7,422	3,205	5,076	55.1	68.4
25-34	9,385	11,475	3,587	6,824	38.2	59.5
35-44	7,945	11,194	4,134	7,658	52.0	68.4
45-64	14,629	16,955	8,604	10,114	58.8	59.7
65+	8,904	10,771	1,070	1,050	12.0	9.8
Black Males	782	1,188	525	797	67.1	67.1
16-19	75	202	36	134	48.0	66.3
20-24	115	155	88	112	76.5	71.8
25-34	219	247	168	184	76.7	74.3
35-44	100	267	75	195	75.0	72.9
45-64	199	226	142	153	71.4	67.4
65+	74	89	16	20	21.6	22.1

SOURCE: Lawrence Berkeley

Population and Labor Force Projections
Fiscal Year 1981
Brockton, Massachusetts SMSA

	Population		Labor Force		Participation Rate	
	1970	1981	1970	1981	1970	1981
Black Females	733	1,263	379	778	51.7	61.6
16-19	73	208	39	158	53.4	76.0
20-24	97	158	64	128	66.0	80.9
25-34	194	236	92	138	47.4	58.5
35-44	122	277	64	172	52.5	62.0
45-64	190	285	106	162	55.8	57.0
65+	57	99	14	20	24.6	20.3
Other Males	143	255	91	98	63.6	38.0
16-19	16	76	0	0	0.0	0.0
20-24	13	31	3	7	23.1	21.9
25-34	31	44	26	36	83.9	81.6
35-44	49	26	48	24	98.0	92.9
45-64	19	66	8	26	42.1	39.8
65+	15	13	6	5	40.0	40.9
Other Females	208	277	109	159	52.4	57.4
16-19	19	20	14	9	73.7	45.0
20-24	22	30	13	22	59.1	72.5
25-34	48	56	28	40	58.3	72.0
35-44	50	55	34	44	68.0	80.4
45-64	38	81	20	44	52.6	53.8
65+	31	35	0	0	0.0	0.0
TOTAL:	100,791	126,095	61,267	82,215	60.8	65.2

SOURCE: Lawrence Berkeley Laboratory
University of California

IV. Training Programs

WIN

The Work Incentive Programs (WIN) is a federally funded program administered by the Massachusetts Division of Employment Security. This program is designed to assist recipients of Aid to Families with Dependent Children in obtaining job skills and opportunities. The program provides these individuals with job counseling, training programs, job development, and placement assistance.

CETA

The Comprehensive Employment and Training Act (CETA) of 1973 was enacted to provide job training and employment opportunities to economically disadvantaged, unemployed, and underemployed persons in order to maximize their employment opportunities and enhance their self sufficiency. CETA offers a number of types of opportunities under title II, IV, and VI of the act. Title II provides training, education, work experience, upgrading, retraining and public service employment to prepare jobless persons for unsubsidized employment. Title IV covers youth programs such as the Job Corps, Summer Youth Programs, the Youth Community Conservation and Improvement Projects, and Youth Employment and Training Programs. Title VI offers public service employment during periods of high unemployment.

Brockton CETA Programs
January 1980

STUDENTS	PROGRAMS
17	Machinists
17	Auto Mechanic
17	Building Maintenance
30	Clerk Typist
24	Engineering Secretary
15	Computer Careers
30	Data Entry
30	G.E.D.

GRADUATES IN CAREER PROGRAMS AT MASSASOIT COMMUNITY COLLEGE

The following information has been obtained from graduates of the Class of 1979 at Massasoit Community College.

NOTE: Other = students who have moved or no information has been obtained either by telephone or mail.

BUSINESS ADMINISTRATION GENERAL PROGRAM

(graduates - 162)

	Number	Percent
Business Related Positions (Accounting- 14) --- (Management/Marketing 44)	58	36%
Transferred to Other Schools	46	28%
Unrelated	6	4%
Other	52	32%

Average Starting Salary $150-170 a week

EXECUTIVE SECRETARIAL PROGRAM

(graduates 39)

	Number	Percent
Secretarial Positions	29	74%
Unrelated	2	6%
Transferred to other schools	4	10%
Other	4	10%

Average Starting Salary $160 a week

ENGINEERING TECHNOLOGY PROGRAM

(graduates 30)

	Number	Percent
Engineering Technician Positions	18	60%
Transferred to Other Schools	6	20%
Other	6	20%

Average Starting Salary $200-220 a week

GRADUATES IN CAREER PROGRAMS AT MASSASOIT COMMUNITY COLLEGE

NURSES EDUCATION PROGRAM

(graduates - 57)

	Number	Percent
Nursing Positions	43	75%
Transferred to Other Schools	3	6%
Other	11	19%

Average Starting Salary $240 a week

LAW ENFORCEMENT PROGRAM

(graduates - 83)

	Number	Percent
Employed in Law Enforcement (Most have worked as police officers before entering Massasoit)	30	36%
Employed in Related Employment (i.e., security) after completing Massasoit	7	9%
Unrelated Occupations	11	13%
Transferred to Other Schools	20	24%
Other	15	18%

FIRE SCIENCE TECHNOLOGY PROGRAM

(graduates - 46)

	Number	Percent
Employed in Fire Science (most have worked as firefighters before entering Massasoit)	25	54%
Unrelated positions	6	13%
Transferred to Other Institutions	3	7%
Other	12	26%

HUMAN RESOURCES PROGRAM

(graduates - 33)

	Number	Percent
Transferred to Other Schools	16	47%
Employed in Related Field	4	12%
Unrelated	3	11%
Other	10	30%

CLERICAL OFFICE ASSISTANT

(graduates - 3)

	Number	Percent
Employed (i.e., typists)	2	67%
Other	1	33%

Average Starting Salary $140 a week

GRADUATES IN CAREER PROGRAMS AT MASSASOIT COMMUNITY COLLEGE

MEDICAL TRANSCRIPTIONIST

(graduates - 4)

	Number	Percent
Employed	1	25%
Returned to Massasoit for Additional Education	2	50%
Other	1	25%

Average Starting Salary $150 a week

DATA PROCESSING TECHNOLOGY PROGRAM

(graduates - 15)

	Number	Percent
Employed	8	53%
Transferred to Other Schools	2	13.5%
Unrelated	2	13.5%
Other	3	20%

Average Starting Salary $215 - 250 a week

DRAFTING PROGRAM

(graduates - 2)

	Number	Percent
Employed	1	50%
Returned to Massasoit for Additional Education	1	50%

Average Starting Salary $150 - 160 a week

SOURCE: Memorandum - Placement Office, Richard A. Murphy November 1979
MASSASOIT COMMUNITY COLLEGE

BROCKTON LABOR MARKET AREA

U.S. Office of Education PROGRAM CODE & TITLE		COMPLETIONS	AVAILABLE FOR PLACEMENT	EMPLOYED, TRAINING RELATED	UNEMPLOYED, SEEKING	NOT AVAILABLE FOR PLACEMENT	STAT UNKN
	TOTAL	2132	1316	1060	141	554	348
04.0000	TOTAL DISTRIBUTION	104	49	39	12	39	16
04.0700	Food Services	15	14	13	1	1	0
04.0800	General Merchandise	38	21	12	9	13	4
04.1500	Personal Services	28	2	2	2	16	10
04.2000	Retail Trade, Other	18	8	8	0	8	2
04.9900	Other Distributive Ed.	5	4	4	0	1	0
07.0000	TOTAL - HEALTH	183	156	141	18	45	9
07.0101	Dental Assistant	24	24	20	4	6	0
07.0203	Medical Laboratory Asst.	12	12	12	0	8	0
07.0301	Nurse (Associate Degree)	61	40	40	5	13	8
07.0302	Practical (Vocational) Nurse	40	40	40	0	10	0
07.0303	Nurse Assistant (Aide)	14	10	3	7	4	1
07.0904	Medical Assistant	18	18	16	2	2	0
07.0906	Health Aide	14	12	10	0	2	0
09.0200	TOTAL OCCUPATIONAL PREP.	77	33	15	17	39	6
09.0201	Care and Guidance for Children	35	14	6	8	18	4
09.0202	Clothing Managemt. Prod. & Services	12	3	0	2	9	0
09.0203	Food Management, Production & Services	22	11	5	7	11	0
09.0204	Home Furnishings, Equipment & Services	8	5	4	0	1	2
14.0000	TOTAL - OFFICE	750	433	304	61	292	59
14.0100	Accounting and Computing Occupations	107	40	23	7	66	5
14.0203	Programmers	55	34	32	3	16	15
14.0299	Other Business Data Processors	34	31	30	1	5	0
14.0300	Filing, Office Machines, Clerical Occupations	153	117	55	17	39	3
14.0600	Personnel Training and Related Occupations	43	20	20	0	27	0

BROCKTON LABOR MARKET AREA

U.S. Office of Education PROGRAM CODE & TITLE		COMPLETIONS	AVAILABLE FOR PLACEMENT	EMPLOYED, TRAINING RELATED	UNEMPLOYED, SEEKING	NOT AVAILABLE FOR PLACEMENT	STATUS UNKNOW
.0700	Steno, Secretarial and Related Occupations	175	104	88	11	73	4
.0800	Supervisors, Administrators and Management Occupations	55	18	18	6	28	9
.0900	Typists and Related	110	59	30	14	34	19
.9900	Other Office Occupations	18	10	8	2	4	4
.0000	TOTAL - TECHNICAL	39	28	28	1	11	4
.0107	Electrical Technology	11	11	11	0	4	0
.0108	Electronic Technology	18	12	12	0	3	3
.0109	Electromechanical Tech.	10	5	5	1	4	1
.0000	TOTAL - TRADES AND INDUSTRY	979	617	533	32	128	254
.0200	Applicance Repair	9	8	2	0	1	0
.0301	Body and Fender	10	9	9	0	1	0
.0302	Auto Mechanics	161	32	28	4	13	120
.0500	Blueprint Reading	24	24	24	0	0	0
.0700	Commercial Art Occupations	10	7	3	0	3	0
.1001	Carpentry	61	41	36	1	1	20
.1002	Electricity	63	58	50	1	5	0
.1004	Masonry	17	16	9	0	1	0
.1007	Plumbing and Pipefitting	19	19	10	0	0	0
7.1009	Glazing	28	20	14	6	8	2
7.1300	Drafting Occupations	9	9	9	1	1	0
7.1500	Electronics Occupations	11	8	7	1	3	0
7.1900	Graphic Arts Occupations	31	25	12	2	6	1
7.2302	Machine Shop	39	39	37	0	1	0
7.2305	Sheet Metal	9	6	3	2	5	0
7.2306	Welding and Cutting	176	176	174	0	3	0
7.2400	Metallurgy	6	4	2	2	2	0
7.2602	Cosmetology	21	21	16	0	3	0

BROCKTON LABOR MARKET AREA

U.S. Office of Education PROGRAM CODE & TITLE		COMPLETIONS	AVAILABLE FOR PLACEMENT	EMPLOYED, TRAINING RELATED	UNEMPLOYED, SEEKING	NOT AVAILABLE FOR PLACEMENT	STAT UNKN
17.2801	Fireman Training	36	31	31	0	3	2
17.2802	Law Enforcement Training	123	35	35	9	62	26
17.2900	Quantity Food Occupations	8	5	5	0	1	3
17.3000	Refrigeration	10	9	5	0	1	0
17.3100	Small Engine Repair	5	4	2	2	1	0
17.3600	Woodworking	93	11	10	1	3	80

V. Economic Developments and Outlook by Industry

This section provides a general analysis of nonagricultural employment in the Brockton SMSA. Included is a look at developments in employment levels over the past decade showing industries which have displayed the greatest growth, occurrences of the last recession and monthly data for the past year.

Throughout this section economic developments for Brockton will be compared to those of the state. Included at the end of this section is an employment breakdown for the Brockton CETA Consortium by Cities and Towns, and it is recommended that anyone interested in obtaining more detailed industrial figures should contact the Division of Employment Security Research Department.

A. Employment Developments 1970 - 1979

During the ten year period, 1970 thru 1979, nonfarm employment in the Brockton SMSA more than doubled the pace of the state. Nonfarm employment in Brockton grew by 30 percent compared to the state's 15 percent and this growth occurred almost entirely for both in the nonmanufacturing sector. Here again Brockton's nonmanufacturing gains exceed the states. Brockton's nonmanufacturing employment level boomed by 47 percent while the state moved forward by a mere modest 20 percent.

Although the Brockton area far exceeded the state in nonmanufacturing development, this was not the case in the manufacturing sector. Neither the State nor Brockton did particularly well regarding manufacturing employment. In fact, Brockton actually experienced a drop of 8 percent while the state went up a moderate 3 percent.

Brockton's decline is attributed for the most part to a slowdown in nondurable goods industries, primarily leather. Between 1970 and 1979 employment in the Brockton leather industry, fell by 35 percent, a substantial drop but below the Massachusetts's rate for this industry, which went down 39 percent.

Although there was an overall decline in Brockton manufacturing employment, there was, however, a substantial rise in the durable goods sector. Durable goods employment gained a notable 31 percent during this period compared to the states 19 percent. Obviously, however there wasn't enough growth to compensate for the loss of nondurable goods employment.

Mentioned earlier was the tremendous increase in the nonmanufacturing sector. Again, Brockton's growth exceeded the state's and in all the nonmanufacturing sectors the one industry which declined, construction, fell a lesser amount. The largest growth relatively was Government which went up 62 percent. This was followed by Service 52 percent, Finance, Insurance, and Real Estate 50 percent, Wholesale and Retail Trade 40 percent, and Transportation, Communications and Public Utilities 29 percent.

In the next section a more detailed look at the top growth industries in the Brockton SMSA will be discussed.

Nonagricultural Employment
Massachusetts
1970-1979
(In Thousands)

	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Nonagricultural Total	2,598.9	2,526.5	2,416.0	2,314.4	2,272.4	2,362.6	2,333.5	2,251.7	2,224.2	2,261.7
Manufacturing Total	670.3	652.4	621.0	593.6	577.8	632.2	634.7	610.2	600.2	648.3
Durable Goods Total	398.4	379.2	352.3	325.8	318.9	348.3	339.9	314.8	305.2	334.3
Nondurable Goods Total	271.9	273.2	268.7	267.8	258.9	283.9	294.8	295.4	295.0	314.0
Leather	22.0	23.5	22.8	24.1	23.0	24.4	26.8	30.4	31.8	35.9
Nonmanufacturing Total	1,928.6	1,874.1	1,795.0	1,720.8	1,700.6	1,730.4	1,699.0	1,641.5	1,624.0	1,613.4
Construction	76.6	72.8	66.7	71.7	79.8	96.8	107.9	107.2	102.5	100.2
Transportation & Public Utilities	120.1	117.3	114.9	112.8	113.7	123.1	123.5	121.5	117.0	117.3
Wholesale & Retail Trade	567.4	547.3	533.7	520.2	517.8	523.5	517.0	501.5	500.4	495.0
Finance, Insurance, Real Estate	148.2	146.7	143.2	135.3	135.1	138.7	133.7	128.8	130.2	129.8
Services & Mining	596.2	560.8	528.6	508.3	489.1	494.0	465.1	439.4	443.3	451.2
Government	420.1	429.2	407.9	372.5	365.1	354.3	351.8	343.1	330.6	319.9

SOURCE: Hours and Earnings, Mass. D.E.S.
Annual Averages

Based on 1972 SIC Codes

Nonagricultural Employment
Brockton SMSA
1970-1979
(In Thousands)

	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
Nonagricultural Total	58.2	56.2	52.7	50.4	48.0	50.2	49.2	47.2	45.0	45.5
Manufacturing Total	12.7	12.4	11.8	11.3	11.1	12.6	12.5	13.1	12.4	13.8
Durable Goods Total	5.9	5.4	4.9	4.5	4.7	5.3	4.9	5.2	4.1	4.5
Nondurable Goods Total	6.8	7.0	6.9	6.8	6.4	7.3	7.6	7.9	8.3	9.3
Leather	2.6	2.5	2.3	2.2	2.2	2.4	2.5	2.6	3.2	4.0
Other Nondurable Goods	4.2	4.5	4.6	4.6	4.2	4.9	5.1	5.3	5.1	5.3
Nonmanufacturing Total	45.5	43.8	40.9	39.1	36.9	37.6	36.7	34.1	32.6	31.7
Construction	1.7	1.6	1.7	1.5	1.6	1.9	2.3	2.1	2.0	2.0
Transportation & Public Utilities	4.4	4.2	4.0	3.6	3.5	3.8	4.1	3.9	3.6	3.4
Wholesale & Retail Trade	15.7	14.8	14.2	14.0	18.7	14.1	13.2	12.6	11.7	11.2
Finance, Insurance, & Real Estate	2.1	2.0	1.8	1.8	1.6	1.7	1.6	1.5	1.4	1.4
Services & Mining	9.3	8.7	8.2	7.7	7.5	7.5	7.3	6.7	6.3	6.1
Government Total	12.3	12.5	11.0	10.5	9.0	8.6	8.2	7.3	7.6	7.6

SOURCE: Hours and Earnings, Mass. D.E.S.
Annual Average

	Massachusetts		Brockton SMSA	
	Employment Percent Change 1970-1979%	Employment Percent Change 1973-1975%	Employment Percent Change 1970-1979%	Employment Percent Change 1973-1975%
Nonagricultural Total	-3	15	-2	28
Manufacturing Total	-9	3	-11	- 8
Durable Goods Total	-6	19	- 4	31
Nondurable Goods Total	-12	-13	-16	-27
Leather	-14	-39	-12	-35
Other Nondurable Goods			-18	-21
Nonmanufacturing Total	.09	20	.5	44
Construction	-26	-24	-30	15
Transportation & Public Util.	- 8	.2	-15	29
Wholesale & Retail Trade	.15	15	4	40
Finance, Insurance & R. Est.	1	14	-	50
Service & Mining	5	32	3	52
Government Total	4	31	10	62

Source: Hours and Earnings, Mass. D.E.S.
Annual Averages

B. Top Growth Industries 1973 - 1978

In this section the top twenty-two growth industries in the Brockton SMSA will be identified. These are industries at a 3 digit Standard Industrial Classification (SIC) level for the years 1973 through 1978. These figures were prepared for another study on the Brockton area. The significance of the time period was to present the most recent Annual Employment and Wage data for the period which included the 1974 - 1975 recession. Table lists the top twenty-two industries and rank orders them in terms of growth with percentage changes over the time spans indicated. Also included on the table are the top five firms and then the sixth through 10th firms in terms of growth.

The top twenty-two industries accounted for growth of approximately 6,066 jobs during the 1973-1978 period. Better than half of the employment growth of these twenty-two occurred in the top five industries. Eating and drinking places were by far the leading industry with an addition of 1,401 workers, an increase of 66 percent. Second was miscellaneous shopping goods stores with +742 jobs and third was measuring and controlling instruments with +448. Actually, industries ranked four through ten have a common growth pattern. All fall within the range of about two hundred job additions.

Annual Average Employment
Brockton SMSA
1973-1978

SIC		1973	1974	1975	1976	1977	1978	Employment Growth 1974 to 1975 Number	1975 Change Percent	Rank	1973 to 1978 Number	1978 Change Percent
152	General Building Contractors	NA	NA	172	174	253	325	NA	NA	15	153	
179	Miscellaneous Special Trade Contractors	19	144	183	176	177	200	39	23.0	12	181	952.0
233	Womens' and Misses Outerwear	941	955	956	1,166	1,188	1,199	1	0.1	6	258	27.0
314	Footwear, Except Rubber	1,658	1,664	1,521	1,777	1,422	1,819	-143	9.0	14	161	10.0
331	Blast Furnace and Steel Products	56	51	168	212	190	193	117	229.0	17	137	245.0
344	Structural Metal Products	236	261	283	284	311	374	22	8.0	16	138	58.0
382	Measuring and Controlling Instruments	795	1,087	1,113	1,026	1,150	1,243	26	2.0	3	448	56.0
395	Pens, Pencils, Office and Art Supplies	4	241	199	248	198	207	- 42	17.0	10	203	5,175.0
415	School Busses	105	366	344	388	378	391	- 22	6.0	5	286	272.0
513	Apparel, Piece Goods and Notions	NA	NA	646	760	764	809	NA	NA	13	163	25.0*
553	Auto and Home Supply Stores	93	111	104	68	69	211	- 7	6.0	21	118	127.0
561	Mens' and Boy's Clothing Stores	73	73	91	357	334	309	18	25.0	8	236	323.0
562	Womens' Ready-to-Wear Stores	67	197	386	323	289	253	189	96.0	11	186	278.0
581	Eating and Drinking Places	2,124	2,779	2,901	2,948	3,227	3,525	122	4.0	1	1,401	66.0
594	Miscellaneous Shopping Goods Stores	95	96	569	655	775	837	473	492.0	2	742	781.0
612	Savings and Loan Associations	2	1	2	29	30	133	1	50.0	18	131	6,650.0
633	Fire, Marine & Casualty Insurance	95	276	192	203	206	215	- 84	30.0	20	120	126.0
729	Miscellaneous Personal Services	26	12	15	14	105	136	3	125.0	22	110	423.0
736	Personal Supply Services	66	31	20	18	373	191	- 11	35.0	19	125	189.0
801	Offices of Physicians	264	287	433	416	441	481	146	51.0	9	217	82.0
806	Hospitals	1,806	1,856	1,868	1,941	2,001	2,111	12	0.6	4	305	17.0
832	Individual and Family Services	NA	NA	275	206	457	522	NA	NA	7	247	90.0*
	TOTAL	8,525	10,488	12,442	13,389	14,338	15,162				6,066	
	ANNUAL (CHANGE)		1,963	1,954	947	949	774					

* 1975-1978 Change

* Employment by 3 Digit SIC of Industries Which Displayed Growth Greater Than 100 Between 1973-1978

Table Top Five Growth Industries

SIC	Rank	Industry	Job Gains	Percent
581	1	Eating and Drinking Places	+1,401	+66.0%
594	2	Miscellaneous Shopping Goods Stores	+ 742	+781.0
382	3	Measuring and Controlling Instruments	+ 448	+ 56.0
806	4	Hospitals	+ 305	+ 17.0
415	5	School Buses	+ 286	+272.-
TOTAL			3,186	

Six Through Ten - Growth Industries

233	6	Womens' and Misses' Outerwear	+ 258	+ 27.0
832	7	Individual and Family Services	+ 247	+ 90.0
561	8	Mens' and Boys' Clothing Stores	+ 236	+ 323.0
801	9	Offices of Physicians	+ 217	+ 82.0
395	10	Pens, Pencils, Office and Art Supplies	+ 203	+ 5,175.0

C. Employment Developments 1973-1975

The period 1973 through 1975 is significant because this is when the so-called "1974 - 1975 Recession" occurred. According to the United States Department of Commerce definition the last recession actually took place betweeen the fourth quarter of 1973 and the first quarter of 1975. For purposes of analysis annual average employment figures for 1973 and 1975 will be studied because these years include the months which officially define the recession.

During this time, nonagricultural employment declined by nearly comparable ratios in Brockton and the State. The Brockton SMSA declined by 2.4 percent and Massachusetts by 2.6 percent. As expected manufacturing employment was hit hard while nonmanufacturing stayed on an even keel.

Manufacturing employment fell by 11 percent in Brockton and 10 percent in Massachusetts. This drop is accounted for by losses in nondurable goods industries. Durable goods employment increased in each industry although not enough to offset the other losses.

Constancy might describe nonmanufacturing employment levels during the 1974 - 1975 recession. Although there were contrasts in the component industries, nonmanufacturing employment edged upward only a minute amount in each. Brockton went up by 05 percentage points and the state by .09 percentage points, each virtually unchanged.

Construction and Transportation, Communications, and Public Utilites declined in both areas. Wholesale and Retail Trade also dipped for Brockton, but not for Massachusetts.

D. Employment Developments - 1979

Nonagricultural employment showed progressive monthly increases during the past year for both the Brockton SMSA and Massachusetts. Between January and December each gained 5.9 percent. Similarly, both experienced losses in the manufacturing share of total nonagricultural employment.Conversely, there were increases in the nonmanufacturing share. This is part of a nationally occurring trend which has taken place now for many years and which is obvious when looking at tables and tables .

To further facilitate analysis the following table shows monthly total nonmanufacturing employment levels which were not included on the previous tables.

Employment and Wages
Brockton Prime Sponsor Ceta Area
1978

	Total Annual Payroll in 000's $	Average Annual Wage	Number Establishments	Total Employment	Agriculture Forestry Fisheries	Mining
Brockton Prime Sponsor - Total	517,027.1	9,620.9	3,345	52,150	311	7
Abington	19,016.5	9,624	196	1,976	33	0
Avon	29,273.0	11,525	122	2,540	0	0
Bridgewater	17,734.8	9,039	177	1,962	40	0
Brockton	295,646.7	9,949	1,648	29,717	66	
E. Bridgewater	27,590.5	11,175	108	2,469	28	0
Easton	18,741.1	8,333	217	2,249	9	0
Hanson	5,909.9	8,096	94	730	26	0
Stoughton	65,855.5	10,452	452	6,301	65	0
W. Bridgewater	14,230.9	9,525	117	1,494	35	0
Whitman	23,028.2	8,491	214	2,712	9	0

Employment and Wages
Brockton Prime Sponsor Ceta Area
1978
Page 2

	Contract Construction	Manufacturing	Transportation Communications Utilities	Wholesale and Retail Trade	Finance Insurance R. Estate	Services
Brockton Prime Sponsor - Total	2,140	14,824	4,608	17,487	2,280	10,498
Abington	97	422	229	715	138	342
Avon	258	986	491	682	27	96
Bridgewater	68	1,020	29	589	113	103
Brockton	744	6,934	3,158	10,490	1,532	6,786
E. Bridgewater	56	1,442	125	611	12	196
Easton	232	448	26	680	95	760
Hanson	58	125	1	372	61	89
Stoughton	421	1,841	183	1,756	175	1,861
W. Bridgewater	58	595	53	672	19	62
Whitman	148	1,011	313	920	108	202

Unemployment
Brockton SMSA
1979

	Employment	Unemployment	Labor Force	Unemployment Rate %
1979				
January	74,085	6,742	80,827	8.3
February	75,017	5,825	80,842	7.2
March	75,465	5,730	81,195	7.1
April	75,958	4,668	80,626	5.8
May	76,445	4,492	80,937	5.5
June	77,217	4,990	82,207	6.1
July	76,785	4,625	81,410	5.7
August	76,966	4,376	81,342	5.4
September	75,258	5,884	81,142	7.3
October	75,142	3,838	78,980	4.9
November	74,486	4,261	78,747	5.4
December	75,310	4,387	79,697	5.5
ANNUAL AVERAGE	75,678	4,985	80,663	6.2
1980				
January	72,841	5,913	78,754	7.5
February	74,038	5,407	79,445	6.8
March	73,682	5,060	78,742	6.4
April	74,645	4,943	79,588	6.2

BLS 1830-E
Rev. July 1975

U.S. DEPARTMENT OF LABOR
Bureau of Labor Statistics

REPORT ON EMPLOYMENT

FOR 1979
(Year)

Sheet ______ of ______ sheets

State (Name) MASSACHUSETTS	State (Code) 25	Area (Name) Brockton	Area (Code) 1200	Transmittal date	Estimates adjusted to (Benchmark date) 1979

This form should be used for submitting (a) revised series such as those resulting from annual benchmark revisions, or (b) series which have not been submitted previously. One copy of each report should be sent to BLS Washington (See CES Manual for address to be used for mailing), and one copy to the BLS Regional Office. Enter the BLS State, area, and series codes in the spaces provided. Report published industry detail. Include division totals even though not published. Round employment to nearest hundred. Place pertinent comments on reverse side.

PUBLISHED INDUSTRY TITLE	SERIES CODE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVERAGE
Nonagricultural Total	000000	56.2	56.4	57.5	58.2	58.5	58.6	58.5	58.9	58.0	58.4	59.2	59.5	58.2
Manufacturing Total	300005	12.7	12.7	12.8	12.9	12.9	13.1	12.8	12.8	12.9	12.7	12.7	12.7	12.7
Durable Goods Total	300035	5.8	5.8	5.9	5.9	5.9	6.1	6.0	6.0	6.0	5.8	5.8	5.9	5.9
Nondurable Goods Total	400025	6.9	6.9	6.9	7.0	7.0	7.0	6.8	6.8	6.9	6.9	6.9	6.8	6.8
Leather	431005	2.6	2.6	2.5	2.6	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.6
Other Nondurable Goods	499915	4.3	4.3	4.4	4.4	4.3	4.4	4.2	4.2	4.3	4.3	4.3	4.1	4.2
Construction	200005	1.4	1.4	1.4	1.6	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7
Transportation + P.U.	500005	4.2	4.3	4.3	4.4	4.4	4.5	4.2	4.2	4.4	4.4	4.5	4.5	4.4
Wholesale + Retail Trade	600005	15.2	15.0	15.1	15.5	15.5	15.6	15.4	15.7	15.8	16.0	16.3	16.7	15.7
Finance, Insurance + R.E.	700005	2.0	2.0	2.0	2.1	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1	2.1
Services + Mining	800055	8.8	8.8	9.2	9.2	9.3	9.2	9.3	9.3	9.3	9.4	9.6	9.6	9.3
Government Total	995008	11.9	12.2	12.7	12.5	12.6	12.2	12.9	12.9	11.7	12.0	12.2	12.2	12.3
														45,5

BLS 1-50E
Rev. July 1975

U.S. DEPARTMENT OF LABOR
Bureau of Labor Statistics

REPORT ON EMPLOYMENT

FOR 1979
(Year)

Sheet 1 of 3 sheets

State (Name)	State (Code)	Area (Name)	Area (Code)	Transmittal date	Estimates adjusted to (Benchmark date)
MASSACHUSETTS	25	Massachusetts	00		1979

This form should be used for submitting (a) revised series such as those resulting from annual benchmark revisions, or (b) series which have not been submitted previously. One copy of each report should be sent to BLS Washington (See CES Manual for address to be used for mailing), and one copy to the BLS Regional Office. Enter the BLS State, area, and series codes in the spaces provided. Report published industry detail. Include division totals even though not published. Round employment to nearest hundred. Place pertinent comments on reverse side.

PUBLISHED INDUSTRY TITLE	SERIES CODE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVERAGE
Nonagricultural Total	000000	2509.8	2525.7	2553.9	2589.5	2605.6	2617.0	2612.4	2622.2	2609.5	2632.4	2649.9	2658.9	2598.9
Manufacturing Total	300005	664.0	663.7	666.3	667.1	667.9	678.8	658.4	670.6	673.3	676.9	679.1	677.6	670.3
Durable Goods Total	300035	392.1	393.0	394.8	397.3	397.1	403.5	395.4	397.0	399.7	401.4	403.8	405.4	398.4
Lumber + Wood	324005	5.4	5.5	5.5	5.4	5.5	5.5	5.2	5.2	5.2	5.2	5.2	4.9	5.3
Furniture + Fixtures	325005	8.6	8.5	8.5	8.4	8.5 1/	8.6 2/	7.4	8.3	8.4	8.4	8.4	8.3	8.3
Stone, Clay + Glass	332005	13.2	12.9	13.1	13.4	13.5	13.8	13.6	13.7	13.4	13.3	13.4	13.4	13.4
Primary Metals	333005	17.6	17.6	17.6	17.6	17.1 1/	17.5 2/	17.0	17.1	17.6	17.6	17.6	17.6	17.5
Fabricated Metals Total	334005	54.3	54.2	53.8	54.9	54.5	55.3	53.6	54.4	54.2	54.7	55.2	55.0	54.5
Cutlery, Hand Tools	334205	13.5	13.4	12.6 3	13.2 4/	13.2	13.2	12.7	13.0	12.9	13.1	13.4	13.4	13.1
Other Fabricated Metals	334995	40.8	40.8	41.2	41.7	41.3	42.1	40.9	41.4	41.3	41.6	41.8	41.6	41.4
Machinery (Ex. Elec.)	335005	96.3	97.0	97.8	98.7	99.2	101.3	99.8	101.0	101.7	102.4	103.5	104.3	100.3
Metalworking Machinery	335405	17.2	17.2	17.4	17.5	17.5	17.8	17.8	17.7	17.7	17.8	17.9	18.0	17.6
Spec. Ind. Machinery	335505	17.3	17.5	17.5	17.5	17.6	17.7	17.6	17.6	17.7	17.6	17.6	17.7	17.6
Other Machinery	335975	61.8	62.3	62.9	63.7	64.1	65.8	64.4	65.7	66.3	67.0	68.0	68.6	65.1
Electric + Electronic Equip	336005	101.6	102.3	103.0	103.0	103.3	105.1	103.4	105.0	104.5	105.1	105.7	107.0	104.1
Communications Equip	336605	29.2	29.3	29.4	29.2	29.3	29.6	29.8	29.9	29.8	30.0	30.1	30.4	29.7
Electronic + Comp Access	336705	42.3	43.0	43.5	43.6	43.4	44.7	44.0	44.7	44.4	44.5	44.9	45.6	44.1
Other Elec. Machinery	336975	30.1	30.0	30.1	30.2	30.6	30.8	29.6	30.4	30.3	30.6	30.7	31.0	30.3
Transportation Equip.	337005	36.9	36.9	37.0	37.4	37.5	37.7	37.4	34.5	37.2	37.2	37.2	37.2	37.0
Instruments	338005	58.2	58.1	58.5	58.5	58.0	58.7	58.0	57.8	57.5	57.5	57.6	57.7	58.0

1/ Labor Dispute 2/ Labor Dispute Over 3/ Layoff 4/ Return to Normal

BLS 1530-E
Rev. July 1975

U.S. DEPARTMENT OF LABOR
Bureau of Labor Statistics

REPORT ON EMPLOYMENT

FOR 1979 (Year)

Sheet 2 of 3 sheets

State (Name)	State (Code)	Area (Name)	Area (Code)	Transmittal date	Estimates adjusted to (Benchmark date)
MASSACHUSETTS	25	Massachusetts	00		1979

This form should be used for submitting (a) revised series such as those resulting from annual benchmark revisions, or (b) series which have not been submitted previously. One copy of each report should be sent to BLS Washington (See ES Manual for address to be used for mailing), and one copy to the BLS Regional Office. Enter the BLS State, area, and series codes in the spaces provided. Report published industry detail. Include division totals even though not published. Round employment to nearest hundred. Place pertinent comments on reverse side.

PUBLISHED INDUSTRY TITLE	SERIES CODE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVERAGE
Nondurable Goods Total	4000025	271.9	270.7	271.5	269.8	270.8	275.3	263.0	273.6	273.6	275.5	275.3	272.2	271.9
Food + Kindred Prods.	420005	28.0	27.5	27.5	27.2	27.2	27.9	27.8	28.4	28.8	29.2	29.0	27.9	28.0
Textile Mill Prods. Total	422005	27.7	27.6	27.5	27.3	27.4	28.1	26.5	27.0	26.9	26.9	26.9	26.6	27.2
Weav Mill Cotton, Synth	422125	4.4	4.3	4.4	4.4	4.5	4.6	4.5	4.6	4.6	4.6	4.6	4.6	4.5
Weav Mill, Finish	422305	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.2	2.4
Other Textiles	422975	20.8	20.8	20.6	20.4	20.4	21.0	19.6	20.0	20.0	20.1	20.1	19.8	20.3
Apparel + Other Textile Pro.	423005	41.1	41.1	41.5	41.2	41.7	41.8	39.1	41.6	41.2	41.1	40.6	40.9	41.1
Men's + Boy's Suits, Coats	423125	9.4	9.5	9.6	9.5	9.7	9.7	9.0	9.7	9.5	9.5	9.3	9.4	9.5
Women's + Children's Clothing	423335	21.6	21.7	21.6	21.7	21.9	21.7	21.0	21.5	21.3	21.3	20.6	20.7	21.4
Other Textile Prods.	423975	10.1	9.9	10.3	10.0	10.1	10.4	9.1	10.4	10.4	10.3	10.7	10.8	10.1
Paper + Allied Prods.	426005	30.0	30.0	30.2	30.0	30.0	30.5	29.6	30.0	30.4	30.3	30.7	30.6	30.2
Printing + Publishing	427005	43.4	43.5	43.8	43.6	43.8	44.4	44.0	44.3	44.1	44.6	44.8	44.8	44.7 ~~[illegible]~~
Chemicals + Allied Prods.	428005	18.1	18.0	18.1	17.9	18.0	18.3	18.4	18.4	18.1	18.0	17.7	17.7	18.1
Rubber + Plastics Prods.	430025	33.1	33.1	33.0	32.8	33.0	33.3	32.3	33.2	33.1	33.3	33.5	33.1	33.0
Leather + Leather Prods.	431005	23.1	22.7	22.4	22.3	22.3	22.6	19.0	22.4	21.9	22.1	22.2	21.1	22.0
Leather Tan + Finish	431105	2.7	2.7	2.7	2.7	2.8	2.8	2.5	2.8	2.6	2.5	2.5	2.4	2.6
Footwear (Ex. Rubber)	431405	13.9	13.5	13.2	13.3	13.4	13.4	11.1	13.3	13.1	13.2	13.3	12.6	13.1
Other Leather	431935	6.5	6.5	6.5	6.3	6.1	6.4	5.4	6.3	6.2	6.4	6.4	6.1	6.3
Other Nondurable Goods	499915	27.4	27.2	27.5	27.5	27.4	28.4	26.3	28.3	29.1	30.0	29.9	29.5	28.2

BLS 1830-E
Rev. July 1975

U.S. DEPARTMENT OF LABOR
Bureau of Labor Statistics

REPORT ON EMPLOYMENT

FOR 1979 (Year)

Sheet 3 of 3 sheets

State (Name) MASSACHUSETTS	State (Code) 25	Area (Name) Massachusetts	Area (Code) 00	Transmittal date	Estimates adjusted to (Benchmark date) 1979

This form should be used for submitting (a) revised series such as those resulting from annual benchmark revisions, or (b) series which have not been submitted previously. One copy of each report should be sent to BLS Washington (See CES Manual for address to be used for mailing), and one copy to the BLS Regional Office. Enter the BLS State, area, and series codes in the spaces provided. Report published industry detail. Include division totals even though not published. Round employment to nearest hundred. Place pertinent comments on reverse side.

PUBLISHED INDUSTRY TITLE	SERIES CODE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVERAGE
Construction	200005	64.5	61.1	63.9	72.6	76.4	80.9	83.3	84.8	83.6	83.6	83.6	81.4	76.6
Transportation + P.U.	500005	117.7	118.2	119.0	119.9	120.4	122.0	118.1	119.0	121.8	121.5	121.2	121.7	120.1
Wholesale + Retail Trade	600005	552.5	544.3	548.9	560.6	566.2	575.2	569.8	570.3	575.9	573.6	581.3	590.2	567.4
Finance, Insurance + R.E.	700005	145.3	145.7	146.7	147.1	148.0	150.5	150.6	150.7	149.5	147.8	147.8	148.5	148.2
Services + Mining	800055	556.3	581.9	589.0	602.5	607.0	591.0	594.0	593.7	596.3	612.9	614.8	615.0	596.2
Government Total	900008	409.5	410.8	420.1	419.7	419.7	418.6	438.2	433.1	409.1	416.1	422.1	424.5	420.1
Federal	990011	56.6	57.6	57.7	57.9	58.0	58.6	59.1	58.5	58.1	58.0	57.9	58.0	58.0
State + Local	998509	352.9	353.2	362.4	361.8	361.7	360.0	379.1	374.6	351.0	358.1	364.2	366.5	362.1

Unemployment Projections
By Race and Sex
Fiscal 1981
Brockton SMSA

Category	Labor Force	Unemployment	Unemployment Rate %
SMSA			
White Male	43,564	3,312	7.6
White Female	36,819	3,235	8.8
Black Male	797	100	20.1
Black Female	778	241	31.0
Other Male	98	19	19.4
Other Female	159	21	13.2
TOTAL	82,214	6,988	8.5

Labor Force Data
By City & Town
Brockton - SMSA - CETA
1979 Annual Average

	Employment	Unemployment	Labor Force	Unemployment Rate %
Brockton SMSA				
Avon	2,694	163	2,857	5.7
Bridgewater	5,582	387	5,969	6.5
Brockton	45,280	3,488	48,777	7.2
East Bridgewater	4,191	236	4,427	5.3
Easton	6,066	263	6,329	4.2
Halifax	1,610	71	1,681	4.2
West Bridgewater	3,583	147	3,730	3.9
Whitman	6,663	231	6,894	3.4
Annual Average	75,678	4,485	80,663	6.2
Brockton Prime Sponsor				
Abington	26,052	1,113	27,165	4.1
Avon	2,694	163	2,857	5.7
Bridgewater	5,582	387	5,969	6.5
Brockton	45,289	3,488	48,777	7.2
East Bridgewater	4,191	236	4,427	5.3
Easton	6,066	263	6,329	4.2
Hanson	2,948	225	3,173	7.1
Stoughton	10,309	741	11,053	6.7
West Bridgewater	3,583	147	3,730	3.9
Whitman	6,663	231	6,894	3.4
Average Average	113,377	6,994	120,374	5.8

Comparison of Unemployments Rates-Annual Average
Brockton - Mass. - U.S.
SMSA

	Brockton	Massachusetts	United States
1979	6.2	5.5	5.8
1978	6.5	6.1	6.0
1977	9.3	8.1	7.0
1976	10.3	9.5	7.7
1975	11.7	11.2	8.5
1974	7.5	7.2	5.6
1973	6.8	6.7	4.9

Seasonally Unadjusted Rates

Unemployment Insurance Claims
March 1980
Brockton SMSA

City or Town	White	Non-white	Spanish Surnames	Other	Not Coded	Total Claims
Avon	73	00	00	05	00	78
Bridgewater	164	00	00	07	00	171
Brockton	1,267	31	10	62	03	1,373
East Bridgewater	117	00	00	05	00	122
Easton	130	00	01	04	01	136
Halifax	79	00	00	01	01	81
West Bridgewater	63	00	00	05	00	68
Whitman	151	01	00	02	00	154
TOTAL	2,044	32	11	91	04	2,183

SOURCE: LAUS Research - Project Report

VI. Recent Unemployment Trends and Projections

The projected unemployment rate for FY 1981 for the Brockton SMSA is 8.5 percent. This is based on a projected employment level of 75,226 and unemployment at 6,988. On the basis of these projections, black females are expected to have the highest unemployment rate at 31 percent and white males the lowest at 7.6 percent.

1979 was the best year in the Brockton SMSA from the point of view of unemployment during the seven year period 1973 through 1979. The highest unemployment rate was in 1975, the peak recession year, when the rate reached 11.7 percent. Similarly, in 1979 Massachusetts also had the lowest rate during the same period. However, this was not the case for the nation where the year with the lowest rate was 1974, although 1979 was considered to be a favorable year.

In 1979, the unemployment rate fluctuated widely. The highest monthly rate was in January when it reached 8.3 percent and the lowest monthly rate was September's 4.9 percent.Thus far in 1980 the unemployment rate has declined for three consecutive months.

Also included in this section is unemployment data for the Brockton CETA Consortium, racial descriptions of unemployment insurance claimants, and other data on the insured unemployed.

VII. Individuals in Need of Employment Services

Included in this section is data on Individuals in Need of Employment Service. It also includes information on the number of individuals considered to be economically disadvantaged for the Brockton SMSA and Brockton Consortium, the 1980 Poverty Income Guidelines, characteristics of applicants in the Job Matching Office, and a description of employment barriers to the economically disadvantaged. Other information on unemployment of the various groups was contained in Section VI.

	Economically Disadvantaged	
	Brockton SMSA	Brockton Consortium
TOTAL	15,807	19,153
White	14,942	18,018
Black	698	931
Other	167	204

Source: April 1980 Division of Employment Security

VIII. Employment and Outlook by Occupation

In order to calculate occupational projections it was first necessary to project employment for industry groups. A model developed by the Bureau of Labor Statistics was employed to make these industry projections. The occupational projections for areas with a population under 250,000 were then prepared using the following method of a single "Balance of State" matrix. The balance of State matrix was developed by subtracting the 1970 major area matrices(Boston, Worcester, and Springfield) from the 1970 State matrix. The balance of state matrix was then updated to 1974 and projected to 1985 by applying to each cell a national change factor calculated from the corresponding cells in the national matrix. Next, the staffing patterns for 1970, 1974 and 1985 were applied to each industry.

Finally, 1970 to 1974 and 1974 to 1985 change factors were computed for each occupation and applied to independently estimated 1970 area occupational estimates. The resulting occupational projections were then carefully reviewed for reasonableness and modified when needed to bring them into consistency with known labor market factors.

In addition to computing growth estimates, replacement needs expected as a result of deaths, retirement, and other separations from the labor force were derived. The separation rates for each occupation were developed by the Bureau of Labor Statistics based on the Decennial Census,national working life tables, expected changes in mortality rates and projected labor force participation rates, Applying the separation rates to the employment estimates produced annual replacement needs to 1985.

Adding the replacement needs to the demand due to growth gives total demand for the occupational categories.

The projections arrived at, are based on the assumptions that: the institutional framework of the U. S. economy will not change radically,; (2) the current social, technological and scientific trends will continue, including values placed on work, education, income, and leisure, (3) no major event such as a widespread or long-lasting energy shortage or war will significantly alter the industrial structure of the economy or alter the rate of economic growth and (4) the economy will gradually recover from the high unemployment levels of the mid-1970's.

In the professional and technical fields the increase in employment due to growth between 1974 and 1985 is projected to be 16.1 percent. Highlights in this category are health technologists and technicians (47.6 percent), medical workers, except technicians (25.2 percent), and social scientists (30.0 percent). The overall category of teachers projects a growth demand loss of 2.8 percent, but this is because of a 15.2 percent loss in secondary school teachers, whereas every other teaching category shows an increase.

The Managers, officials and proprietors, category has a growth demand increase of 16.8 percent, led by a 20.9 percent increase in administration and public inspectors.

Sales workers show a projected increase of 18.3 percent from 1974 to 1985. The majority of this increase will occur in the number of insurance agents and brokers.

The clerical workers category shows the largest percentage increase in demand due to growth during the time period (19.7 percent).

The leading category for new positions within this area is with secretaries (33.7 percent).

The craft workers will have a labor demand due to growth of 9.2 percent. Some of the occupations within this category will grow exceedingly well, however. Included in the large growth demand occupations are data processing, machine repairers (63.2 percent), air conditioning, heating, refrigerations mechanics and repairers (33.3 percent), and roofers and slaters(30.3 percent).

Operatives, which give a sampling of manufacturing trends, will only have a demand growth of 0.2 percent. The largest growth within specific occupations should be welders (12.2 percent), semi-skilled packers (11.9 percent) and assemblers (19.2 percent).

Within the service workers fields the demand due to growth will be 14.5 percent. The largest growth will be with the health service workers (42.8 percent), more specifically in the occupations of nursing aides, orderlies and attendants (41.7 percent).

IX. Supply and Demand

Information regarding labor supply and demand is available through analysis of Job Bank listing and ESARS tables. Job openings that are posted with the Employment Service are processed and distributed through a central computerized system known as Job Bank. From this system, we are able to obtain on a monthly basis an occupational breakdown of openings along with some wage data concerning these openings. The Employment Service Automated Reporting System (ESAR) is the computerized information gathering service for applicants or what can be considered the supply side of the occupational job market. Although analyses of this data is useful when studying labor market conditions, certain limitations of the data sources should be noted. Both Job Bank and ESARS give information only on those openings and applicants that come into the Employment Services Offices, thus reflecting only a portion of the market.

Many additional job openings exist for which firms conduct their own recruitment by use of classified ads, private employment agencies or in house job bidding procedures. In addition, for those jobs that are listed with the Job Bank wage information may not accurately reflect the pay rate of the position as many openings are listed with a minimum pay rate rather than what may actually be paid once the position is filled. Information on applicants that is available through ESARS can sometimes include double counting of individuals, as some applicants register for work in more than one of the local offices. Also when applicants are entered into the ESARS system they are listed under one occupation code. However, many times an individual is capable of accepting work in more than one occupation and this multi skill characteristic of applicants is not reflected in ESARS occupational data.

According to the Employment Service Automated Reporting System's (ESARS) Table 96, from October 1, 1979 through March 31, 1980, there were 13,075 persons who registered as applicants for the Fall River Labor Market Area. These individuals, by definition, have indicated that they are ready, able, and willing to work. As of May 31, 1980, there were 5,343 job applicants recorded as still being in the active files for the SMSA. Also, according to the ESAR's System, a total of 2,949 jobs were received from employers during the same time period - October 1, 1979 through May 31, 1980. Of this number of job openings 1,775 were reported as being filled by the Job Matching Service with 1,174 reported as being unfilled as of May 31, 1980. Therefore the percentage of unfilled job openings to active job applicants for the SMSA as of May 31, 1980 is approximately 22 percent (1,174 jobs ÷ 5,343 applicants). In other words, there are nearly five times as many applicants as there are registered unfilled job openings.

TABLE 1--ES JOB BANK OPENINGS IN REPORTING DISTRICTS
BY OCCUPATIONAL CATEGORY
BROCKTON MASSACHUSETTS
MAR 1980

OCCUPATIONAL CATEGORY	OPENINGS AVAILABLE				OPENINGS UNFILLED AT MONTH END			
	NUMBER		AVERAGE PAY		TOTAL		UNFILLED 30 DAYS OR MORE	
	CURRENT	LAST MONTH	CURRENT	LAST MONTH	CURRENT	LAST MONTH	CURRENT	LAST MONTH
TOTAL, ALL OCCUPATIONS	634	INA	$ 8,312/YR	$ INA	369	INA	232	INA
PROFESSIONAL, TECHNICAL, AND MANAGERIAL	46	INA	11,682/YR	INA	34	INA	23	INA
CLERICAL AND SALES	207	INA	8,251/YR	INA	158	INA	124	INA
SERVICE	98	INA	3.40/HR	INA	41	INA	15	INA
FARMING, FISHERY, FORESTRY, AND RELATED	5	INA	4.52/HR	INA	2	INA	INA	INA
PROCESSING	20	INA	3.63/HR	INA	10	INA	INA	INA
MACHINE TRADES	75	INA	4.16/HR	INA	38	INA	16	INA
BENCH WORK	85	INA	3.67/HR	INA	40	INA	29	INA
STRUCTURAL WORK	29	INA	5.38/HR	INA	19	INA	17	INA
MISCELLANEOUS	69	INA	3.54/HR	INA	27	INA	8	INA

21 38
4/ 50 WTH

Therefore, a reasonable conclusion is that there is a decided labor supply-demand imbalance within the Fall River Labor Area. However, it should be noted that not all of these job applicants are unemployed. These individuals may have registered with the Job Matching Service for improved employment opportunities. Therefore, the job openings/job applicants ratio may be somewhat distorted by this kind of registration activity. Nevertheless, as very real and substantial labor supply-demand imbalance still exists.

X. Highlights and Conclusions

Population in the Brockton SMSA is projected to be 126,095 in Fiscal Year FY 1981. This is a 25 percent increase over the 1970 level of 100,791. The most significant relative gains are experienced by minorities.

Between 1970 and 1981 the labor force in the Brockton SMSA will have grown by 34 percent. The largest gains in the labor force are by women.

During the ten year period, 1970 through 1979 nonfarm employment in the Brockton SMSA grew by more than double the pace of the state. Nonfarm employment in the state grew by 30 percent compared to the state's 15 percent.

The top five growth industries in the Brockton SMSA between 1973 and 1978 were: (1) Eating and Drinking Places (+1,400 jobs); (2) Miscellaneous Shopping Goods Stores (+742) jobs. Measuring and controlling Instruments (+448) jobs; hospitals (+305) jobs and school busses (+288) jobs for total of 3,186.

The projected unemployment rate for FY 1981 for the Brockton SMSA is 8.5 percent. This is based on a projected employment level of 75,226 and unemployment level of 6,988.

TABLE 104

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
BROCKTON LABOR AREA

	ALL PROGRAMS	
	NUMBER	PERCENT
TOTAL	1848	100.0
AGE		
UNDER 20	-	-
UNDER 25	420	22.7
25 - 34	529	28.6
35 - 44	296	16.0
45 - 54	240	13.0
55 - 64	226	12.2
65 & OVER	130	7.0
I.N.A.	7	.4
SEX		
MEN	1096	59.3
WOMEN	753	40.7
I.N.A.	-	-
ETHNIC GROUP		
WHITE	1765	95.5
NON-WHITE	83	4.5
I.N.A.	-	-
SPANISH SURNAME	7	.4
OCCUPATION		
PROF.,TECH.,MGT	283	15.3
CLERICAL/SALES	460	24.9
SERVICES	190	10.3
FARM,FISH,FOR.	13	.7
PROCESSING	37	2.0
MACHINE TRADES	143	7.7
BENCH WORK	176	9.5
STRUCTURAL	300	16.2
MISC. WORK	246	13.3
I.N.A.	-	-
RECENT DURATION		
0-9 WEEKS	892	48.3
10-19 WEEKS	649	35.1
20-29 WEEKS	286	15.5
30 + WEEKS	20	1.1

TABLE 104
CONTINUED -1

	ALL PROGRAMS NUMBER	ALL PROGRAMS PERCENT
INDUSTRY ATTACH.		
MANUFACTURING	556	30.1
CON. CONSTRUCT	190	10.3
TRAN./UTIL.	73	4.0
WHOL/RET.TRADE	406	22.0
FIN/INS/R.E.	50	2.7
SERVICES	306	16.6
GOVERNMENTS	243	13.1
OTHERS	17	.9
I.N.A.	7	.4
AVE. WEEKLY WAGE		
UNDER $100	266	14.4
$100 - $149	450	24.4
$150 - $199	440	23.8
$200 - $249	240	13.0
$250 - $299	167	9.0
$300 OR MORE	280	15.2
I.N.A.	7	.4
SEPARATION REASON		
LAYOFF	1452	78.6
QUIT VOL. RET.	-	-
QUIT PREGNANCY	-	-
QUIT OTHER	90	4.9
DISCHARGES	220	11.9
LABOR DISPUTE	13	.7
OTHER/INA	73	4.0

TABLE 204A

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON LABOR AREA

	ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL	1895	100.0	1265	629	7
0,1 PROF.,TECH.,MGR.	283	14.9	186	97	-
00,01 ARCH./ENGINEER	40	2.1	13	27	-
02 MATH & PHY. SCIENCE	3	.2	-	3	-
04 LIFE SCIENCES	13	.7	7	7	-
05 SOCIAL SCIENCES	-	-	-	-	-
07 MEDICINE & HEALTH	40	2.1	27	13	-
09 EDUCATION	37	2.0	37	-	-
10 MUSEUM, LIBRARY	-	-	-	-	-
11 LAW & JURISPRUDENCE	3	.2	3	-	-
12 RELIGION & THEOLOGY	-	-	-	-	-
13 WRITING	-	-	-	-	-
14 ART	10	.5	7	3	-
15 ENTERTAINMENT & REC	7	.4	7	-	-
16 ADMINISTRATIVE SPEC	47	2.5	27	20	-
18 MANAGRES & OFFICIAL	67	3.5	47	20	-
19 PROFESSIONAL, TECN	17	.9	13	3	-
2 CLERICAL, SALES	463	24.4	316	147	-
20 STENO,TYPE,FILING	140	7.4	107	33	-
21 COMPUTING & ACCOUNT	176	9.3	110	67	-
22 MATERIAL & PROD REC	33	1.7	30	3	-
23 INFO & MESSAGE DIST	10	.5	10	-	-
24 MISC CLERICAL	17	.9	13	3	-
25 SALESMEN, SERVICES	3	.2	-	3	-
26,28 SALES, COMMODITI	53	2.8	23	30	-
29 MERCHANDISING	30	1.6	23	7	-
3 SERVICES	193	10.2	123	70	-
30 DOMESTIC SERVICE	7	.4	3	3	-
31 FOOD & BEVERAGE	83	4.4	50	33	-
32 LODGING	7	.4	3	3	-
33 BARBERING,COSMETOLO	3	.2	3	-	-
34 AMUSEMENT & REC	-	-	-	-	-
35 MISC PERSONAL SERV	20	1.1	13	7	-
36 APPAREL & FURNISH	13	.7	7	7	-
37 PROTECTIVE SERV	40	2.1	30	10	-
38 BUILDING & RELATED	20	1.1	13	7	-
40-46 FARM/FISH	13	.7	10	3	-
5 PROCESSING	43	2.3	27	17	-
50 PROCESSING OF METAL	7	.4	7	-	-
51 ORE REFINING&FOUNDR	7	.4	3	3	-
52 PROCESS/FOOD,TOBACO	10	.5	3	7	-

TABLE 204A
CONTINUED -1

	ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
53 PROCESSING OF PAPER	-	-	-	-	-
54 PROCES/OIL,COAL,GAS	-	-	-	-	-
55 CHEM,PLASTC,SYN,RUB	17	.9	10	7	-
56 WOOD AND WOOD PROD	-	-	-	-	-
57 STONE,CLAY,GLASS	-	-	-	-	-
58 LEATHER,TEXTILES	-	-	-	-	-
59 PROCES/OCCUPATIONS	3	.2	3	-	-

TABLE 204B

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON LABOR AREA

	ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL	1895	100.0	1265	629	7
6 MACHINE TRADES	160	8.4	123	37	3
60 METAL MACHINING	50	2.6	33	17	-
61 METALWORKING OCCUP	20	1.1	13	7	-
62,63 MECHANICS REPAIR	60	3.2	53	7	3
64 PAPERWORKING	10	.5	7	3	-
65 PRINTING	7	.4	3	3	-
66 WOOD MACHING	7	.4	7	-	-
67 MACH STONE,CLAY,GLA	-	-	-	-	-
68 TEXTILE	-	-	-	-	-
69 MACHINE TRADES OCCU	7	.4	7	-	-
7 BENCH WORK	193	10.2	97	97	-
70 FAB.ASSBLY&REPAIR	3	.2	3	-	-
71 FAB.REPAIR SCI&MED	47	2.5	40	7	-
72 ASBLY&REPAIR ELECT	33	1.7	20	13	-
73 FAB.REPR ASSRT MATL	7	.4	3	3	-
74 PAINTING, DECORAT	-	-	-	-	-
75 FAB&REPR PLASTC SYN	3	.2	-	3	-
76 FAB&REPR WOOD PROD	-	-	-	-	-
77 FAB&REPR SAND STONE	3	.2	3	-	-
78 FAB&REPR TEXTILE	97	5.1	27	70	-
79 BENCH WORK OCCUPAT	-	-	-	-	-
8 STRUCTURAL WORK	296	15.6	203	93	3
80 METAL FABRICATING	10	.5	7	3	-
81 WELDERS, FLAME CUTT	7	.4	3	3	-
82 ELECTRICAL ASSBLY	47	2.5	33	13	-
84 PAINT,PLASTER,WATER	27	1.4	20	7	-
85 EXCAVAT,GRAD,PAVE	10	.5	10	-	-
86 CONSTRUCTION OCCUPA	183	9.7	130	53	-
89 STRUCTURAL WORK OCC	13	.7	-	13	3
9 MISCELLANEOUS	250	13.2	180	70	-
90 MOTOR FREIGHT	60	3.2	57	3	-
91 TRANSPORTATION OCCU	40	2.1	20	20	-
92 PACKAGING&MATERIALS	137	7.2	100	37	-
93 EXTRACT OF MINERALS	-	-	-	-	-
94 LOGGING OCCUPATIONS	-	-	-	-	-
95 PROD&DIST,UTILITIES	7	.4	3	3	-
96 AMUSE, REC., MOVIES	3	.2	-	3	-
97 GRAPHIC ART WORK	3	.2	-	3	-
999 INFO NOT AVAILABLE	-	-	-	-	-

TABLE 204C

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON LABOR AREA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		1895	100.0	1265	629	7
ELECTRICAL ENG.	003	20	1.1	3	17	-
MINING & PETRO. ENG.	010	3	.2	-	3	-
INDUSTRIAL ENG.	012	13	.7	7	7	-
SURVEYING & RELATED	018	3	.2	3	-	-
GEOLOGY	024	3	.2	-	3	-
PSYCHOLOGY	045	13	.7	7	7	-
MEDICINE & SURGERY	070	3	.2	-	3	-
PHARMACY	074	3	.2	-	3	-
NURSING	075	13	.7	10	3	-
MED./DENTAL TECH.	078	3	.2	3	-	-
MED. & HEALTH, NEC	079	17	.9	13	3	-
COLLEGE/UNIVERSITY ED	090	3	.2	3	-	-
SECONDARY ED.	091	10	.5	10	-	-
PRIMARY SCHOOL ED	092	10	.5	10	-	-
HANDICAPPED ED.	094	3	.2	3	-	-
EDCUATION, NEC	099	7	.4	7	-	-

TABLE 204D

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON LABOR AREA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		1895	100.0	1265	629	7
LEGAL WORK	110	3	.2	3	-	-
COMMERCIAL ART	141	3	.2	3	-	-
PAINTING & RELATED	144	3	.2	3	-	-
ATHLETICS & SPORTS	153	3	.2	3	-	-
ENTERTAIN./REC., NEC	159	3	.2	3	-	-

TABLE 204E

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON LABOR AREA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		1895	100.0	1265	629	7
ACCOUNTING/AUDITING	160	10	.5	3	7	-
PURCHASING MGT	162	7	.4	7	-	-
SALES/DISTRIBUT MGT	163	7	.4	7	-	-
PERSONNEL/TRAIN ADM	166	3	.2	-	3	-
ADMIN SPECIALT NEC	169	20	1.1	10	10	-
MFG INDUSTRY MGT	183	13	.7	10	3	-
WHLE/RETAIL TRAD MGT	185	10	.5	10	-	-
FINANC/INSUR/R E MGT	186	3	.2	3	-	-
SERVICE INDUSTRY MGT	187	17	.9	7	10	-
PUBLIC ADMIN MGT	188	3	.2	3	-	-
MISC MGT WORK NEC	189	20	1.1	13	7	-
SECRETARIAL WORK	201	63	3.3	53	10	-
TYPING	203	27	1.4	23	3	-
STEN/TYP/FIL/RALATED	209	50	2.6	30	20	-
BOOKKEEPING	210	43	2.3	23	20	-
CASHIERING	211	60	3.2	37	23	-
TELLER SERVICE	212	7	.4	-	7	-
AUTOMAT DATA PROCESS	213	13	.7	13	-	-
BILLING-MACHINE WORK	214	7	.4	7	-	-
BOOKKEEP-MACH WORK	215	3	.2	-	3	-
COMPUTING MACH WORK	216	13	.7	7	7	-
COMPUT/ACCT RECORDNG	219	30	1.6	23	7	-
CLERICAL WORK PROD	221	3	.2	3	-	-
CLERICAL SHIP/RECV	222	30	1.6	27	3	-
RECEPTION/INFO DISP	237	10	.5	10	-	-

TABLE 204F

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON LABOR AREA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL.
TOTAL		1895	100.0	1265	629	7
MISC CLERICAL WORK	249	17	.9	13	3	-
COMMODITIES NEC	289	7	.4	-	7	-
SALES CLERKING	290	13	.7	10	3	-
ROUTE WORK	292	17	.9	13	3	-
FOOD&BEVERAGE SERV	310	13	.7	10	3	-
FOOD SERVING	311	10	.5	10	-	-
BARTENDING	312	33	1.7	23	10	-
COOKING,LARGE HOTELS	313	13	.7	3	10	-
MISC COOKING	315	3	.2	3	-	-
MEAT CUTTING	316	7	.4	-	7	-
KITCHEN WORK, NEC	318	3	.2	-	3	-
CLEANING & RELAT	381	13	.7	10	3	-
JANITORIAL SERV	382	3	.2	3	-	-
BUILDING & RELATED	389	3	.2	-	3	-
CASTING & MOLDING	556	10	.5	7	3	-
EXTRUDING	557	7	.4	3	3	-

TABLE 204G

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON LABOR AREA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		1895	100.0	1265	629	7
MACHINING & RELATED	600	13	.7	10	3	-
TOOLMAKING & RELATED	601	7	.4	3	3	-
TURNING	604	13	.7	7	7	-
MILLING & PLANING	605	7	.4	7	-	-
METAL MACHINING NEC	609	10	.5	7	3	-
FABRICATING MACHINE	616	17	.9	10	7	-
METAL FORMING NEC	617	3	.2	3	-	-
MOTORIZ VEHICLE&ENG.	620	27	1.4	27	-	3
AIRCRAFT REPAIRING	621	7	.4	7	-	-
RAIL EQUIP REPAIRING	622	3	.2	3	-	-
SPEC INDUSTRY MACH	629	3	.2	-	3	-
PLASTICS,SYNTHETICS,	690	7	.4	7	-	-
FAB/ASBL&REPR METAL	709	3	.2	3	-	-
ELECTRICAL APPLI&FIX	723	23	1.2	10	13	-
LITE BULBS&ELECTRONI	725	3	.2	3	-	-
STORAGE BATTERY	727	3	.2	3	-	-
ELECTRICAL EQUIP	729	3	.2	3	-	-

TABLE 204H

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON LABOR AREA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		1895	100.0	1265	629	7
UPHOLSTER,MATTRESS	780	3	.2	3	-	-
LAY OUT,MARK,CUT,PUN	781	10	.5	3	7	-
MACHINE SEWING, GARM	786	3	.2	3	-	-
MACH SEW,NONGARMENT	787	77	4.1	17	60	-
FOOTWEAR	788	3	.2	-	3	-
FITT,BOLT,SCREW,RELA	801	3	.2	-	3	-
TRANSP EQUIP ASSEMBL	806	3	.2	3	-	-
BODY WORK, TRANSP EQ	807	3	.2	3	-	-
LIGHT EQUIP&BUILD	824	27	1.4	17	10	-
ASSMBLY,INSTALL,REPR	829	20	1.1	17	3	-
EXCAVAT,GRADNG&RELAT	850	3	.2	3	-	-
CONCRETE PAVING	852	7	.4	7	-	-
CARPENTRY & RELATED	860	40	2.1	23	17	-
BRICK&STONE MASONRY	861	3	.2	3	-	-
PLUMBING,GAS FITT	862	33	1.7	23	10	-
ROOFING&RELATED	866	7	.4	3	3	-
MISC CONSTRUCTION	869	100	5.3	77	23	-
TRAILER-TRUCK DRIV	904	7	.4	3	3	-
HEAVY TRUCK DRIV	905	47	2.5	47	-	-
LIGHT TRUCK DRIVING	906	7	.4	7	-	-
PACKAGING	920	3	.2	-	3	-
HOISTING & CONVEYING	921	3	.2	3	-	-
MATERIAL MOVING&STOR	922	77	4.1	60	17	-
PACK/MATERIALS HANDL	929	53	2.8	37	17	-

TABLE 304

AGE AND AVERAGE WEEKLY EARNINGS OF THE INSURED UNEMPLOYED
BROCKTON LABOR AREA

	TOTAL		MALES		FEMALES	
	NUMBER	PER.	NUMBER	PER.	NUMBER	PER.
TOTAL	1901	100.0	1132	100.0	769	100.0
AGE GROUPS						
TOTAL	1895	99.7	1126	99.5	769	100.0
UNDER 20	-	-	-	-	-	-
UNDER 25	423	22.3	273	24.1	150	19.5
25 - 34	536	28.2	323	28.5	213	27.7
35 - 44	306	16.1	163	14.4	143	18.6
45 - 54	250	13.2	137	12.1	113	14.7
55 - 64	246	12.9	140	12.4	107	13.9
65 & OVER	133	7.0	90	8.0	43	5.6
WEEKLY EARN.						
TOTAL	1895	99.7	1129	99.7	766	99.6
UNDER $100.	273	14.4	93	8.2	180	23.4
$100-$149	460	24.2	180	15.9	280	36.4
$150-$199	450	23.7	276	24.4	173	22.5
$200-$249	243	12.8	160	14.1	83	10.8
$250-$299	170	8.9	150	13.3	20	2.6
$300 +	300	15.8	270	23.9	30	3.9

TABLE 504

DURATION MOST RECENT SPELL (ALL PROGRAMS)
BROCKTON LABOR AREA

	TOTAL	0-4 WEEKS	5-14 WEEKS	15-26 WEEKS	27+ WEEKS
TOTAL	1901	453	879	476	93
OCCUPATION					
PROF,TECH,MGT	283	67	150	63	3
CLERICAL/SALES	463	60	216	147	40
SERVICES	193	40	80	63	10
FARM,FISH,FURS	13	3	3	7	-
PROCESSING	43	7	27	7	3
MACHINE TRADES	163	30	93	33	7
BENCH WORK	193	90	57	40	7
STRUCTURAL	300	97	130	53	20
MISC. WORK	250	60	123	63	3
I.N.A.	-	-	-	-	-
INDUSTRY ATTACH.					
MANUFACTURING	603	190	266	130	17
CONSTRUCTION	190	73	73	33	10
TRANS/UTIL	73	30	23	17	3
WHOL/RET/TRADE	413	60	186	140	27
FIN/INS/R.E.	50	10	13	27	-
SERVICES	306	43	203	43	17
GOVERNMENTS	243	40	100	83	20
OTHERS	17	3	10	3	-
I.N.A.	7	3	3	-	-
MALES	1126	263	523	286	53
UNDER 20	-	-	-	-	-
UNDER 25	273	47	153	70	3
25 - 34	323	77	127	97	23
35 - 44	163	57	60	40	7
45 - 54	137	40	63	30	3
55 - 64	140	27	67	30	17
65 & OVER	90	17	53	20	-
FEMALES	769	190	353	186	40
UNDER 20	-	-	-	-	-
UNDER 25	150	30	77	40	3
25 - 34	213	40	107	57	10
35 - 44	143	40	73	27	3
45 - 54	113	30	40	30	13
55 - 64	107	40	37	23	7
65 & OVER	43	10	20	10	3

TABLE 166

SELECTED CHARACTERISTICS OF INSURED UNEMPLOYED
BROCKTON CETA

	ALL PROGRAMS	
	NUMBER	PERCENT
TOTAL	2264	100.0
AGE		
UNDER 20	-	-
UNDER 25	516	22.8
25 - 34	639	28.2
35 - 44	406	17.9
45 - 54	286	12.6
55 - 64	256	11.3
65 & OVER	153	6.8
I.N.A.	7	.3
SEX		
MEN	1362	60.2
WOMEN	902	39.8
I.N.A.	-	-
ETHNIC GROUP		
WHITE	2181	96.3
NON-WHITE	83	3.7
I.N.A.	-	-
SPANISH SURNAME	10	.4
OCCUPATION		
PROF.,TECH.,MGT	390	17.2
CLERICAL/SALES	566	25.0
SERVICES	210	9.3
FARM,FISH,FOR.	13	.6
PROCESSING	37	1.6
MACHINE TRADES	176	7.8
BENCH WORK	213	9.4
STRUCTURAL	343	15.2
MISC. WORK	316	14.0
I.N.A.	-	-
RECENT DURATION		
0-9 WEEKS	1092	48.2
10-19 WEEKS	823	36.4
20-29 WEEKS	330	14.6
30 + WEEKS	20	.9

TABLE 166
CONTINUED -1

	ALL PROGRAMS	
	NUMBER	PERCENT
INDUSTRY ATTACH.		
MANUFACTURING	653	28.8
CON. CONSTRUCT	233	10.3
TRAN./UTIL.	100	4.4
WHOL/RET.TRADE	529	23.4
FIN/INS/R.E.	63	2.8
SERVICES	370	16.3
GOVERNMENTS	293	12.9
OTHERS	17	.8
I.N.A.	7	.3
AVE. WEEKLY WAGE		
UNDER $100	310	13.7
$100 - $149	496	21.9
$150 - $199	536	23.7
$200 - $249	313	13.8
$250 - $299	230	10.2
$300 OR MORE	373	16.5
I.N.A.	7	.3
SEPARATION REASON		
LAYOFF	1778	78.5
QUIT VOL. RET.	-	-
QUIT PREGNANCY	-	-
QUIT OTHER	97	4.3
DISCHARGES	290	12.8
LABOR DISPUTE	13	.6
OTHER/INA	87	3.8

TABLE 266A

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON CETA

	ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL	2328	100.0	1588	739	7
0,1 PROF.,TECH.,MGR.	393	16.9	253	140	-
00,01 ARCH./ENGINEER	43	1.8	17	27	-
02 MATH & PHY. SCIENCE	3	.1	-	3	-
04 LIFE SCIENCES	17	.7	10	7	-
05 SOCIAL SCIENCES	-	-	-	-	-
07 MEDICINE & HEALTH	43	1.8	30	13	-
09 EDUCATION	47	2.0	47	-	-
10 MUSEUM, LIBRARY	-	-	-	-	-
11 LAW & JURISPRUDENCE	3	.1	3	-	-
12 RELIGION & THEOLOGY	-	-	-	-	-
13 WRITING	-	-	-	-	-
14 ART	10	.4	3	7	-
15 ENTERTAINMENT & REC	7	.3	7	-	-
16 ADMINISTRATIVE SPEC	90	3.9	47	43	-
18 MANAGRES & OFFICIAL	107	4.6	73	33	-
19 PROFESSIONAL, TECN	20	.9	17	3	-
2 CLERICAL, SALES	576	24.7	410	167	-
20 STENO,TYPE,FILING	170	7.3	137	33	-
21 COMPUTING & ACCOUNT	200	8.6	127	73	-
22 MATERIAL & PROD REC	47	2.0	43	3	-
23 INFO & MESSAGE DIST	20	.9	20	-	-
24 MISC CLERICAL	23	1.0	20	3	-
25 SALESMEN, SERVICES	7	.3	3	3	-
26,28 SALES, COMMODITI	73	3.1	37	37	-
29 MERCHANDISING	37	1.6	23	13	-
3 SERVICES	216	9.3	137	80	-
30 DOMESTIC SERVICE	7	.3	3	3	-
31 FOOD & BEVERAGE	97	4.2	57	40	-
32 LODGING	7	.3	3	3	-
33 BARBERING,COSMETOLO	3	.1	3	-	-
34 AMUSEMENT & REC	-	-	-	-	-
35 MISC PERSONAL SERV	20	.9	13	7	-
36 APPAREL & FURNISH	17	.7	7	10	-
37 PROTECTIVE SERV	43	1.8	33	10	-
38 BUILDING & RELATED	23	1.0	17	7	-
40-46 FARM/FISH	13	.6	10	3	-
5 PROCESSING	43	1.8	27	17	-
50 PROCESSING OF METAL	7	.3	7	-	-
51 ORE REFINING&FOUNDR	7	.3	3	3	-
52 PROCESS/FOOD,TOBACO	10	.4	3	7	-

TABLE 266A
CONTINUED -1

	ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
53 PROCESSING OF PAPER	-	-	-	-	-
54 PROCES/OIL,COAL,GAS	-	-	-	-	-
55 CHEM,PLASTC,SYN,RUB	17	.7	10	7	-
56 WOOD AND WOOD PROD	-	-	-	-	-
57 STONE,CLAY,GLASS	-	-	-	-	-
58 LEATHER,TEXTILES	-	-	-	-	-
59 PROCES/OCCUPATIONS	3	.1	3	-	-

TABLE 266B

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON CETA

	ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL	2328	100.0	1588	739	7
6 MACHINE TRADES	193	8.3	153	40	3
60 METAL MACHINING	53	2.3	37	17	-
61 METALWORKING OCCUP	20	.9	13	7	-
62,63 MECHANICS REPAIR	77	3.3	67	10	3
64 PAPERWORKING	17	.7	13	3	-
65 PRINTING	10	.4	7	3	-
66 WOOD MACHING	7	.3	7	-	-
67 MACH STONE,CLAY,GLA	-	-	-	-	-
68 TEXTILE	3	.1	3	-	-
69 MACHINE TRADES OCCU	7	.3	7	-	-
7 BENCH WORK	233	10.0	117	117	-
70 FAB.ASSBLY&REPAIR	3	.1	3	-	-
71 FAB.REPAIR SCI&MED	60	2.6	53	7	-
72 ASBLY&REPAIR ELECT	43	1.8	23	20	-
73 FAB.REPR ASSRT MATL	17	.7	7	10	-
74 PAINTING, DECORAT	-	-	-	-	-
75 FAB&REPR PLASTC SYN	3	.1	-	3	-
76 FAB&REPR WOOD PROD	-	-	-	-	-
77 FAB&REPR SAND STONE	3	.1	3	-	-
78 FAB&REPR TEXTILE	103	4.4	27	77	-
79 BENCH WORK OCCUPAT	-	-	-	-	-
8 STRUCTURAL WORK	340	14.6	246	93	3
80 METAL FABRICATING	23	1.0	20	3	-
81 WELDERS, FLAME CUTT	7	.3	3	3	-
82 ELECTRICAL ASSBLY	60	2.6	40	20	-
84 PAINT,PLASTER,WATER	30	1.3	23	7	-
85 EXCAVAT,GRAD,PAVE	10	.4	10	-	-
86 CONSTRUCTION OCCUPA	186	8.0	143	43	-
89 STRUCTURAL WORK OCC	23	1.0	7	17	3
9 MISCELLANEOUS	320	13.7	236	83	-
90 MOTOR FREIGHT	87	3.7	73	13	-
91 TRANSPORTATION OCCU	47	2.0	27	20	-
92 PACKAGING&MATERIALS	173	7.4	133	40	-
93 EXTRACT OF MINERALS	-	-	-	-	-
94 LOGGING OCCUPATIONS	-	-	-	-	-
95 PROD&DIST,UTILITIES	7	.3	3	3	-
96 AMUSE, REC., MOVIES	3	.1	-	3	-
97 GRAPHIC ART WORK	3	.1	-	3	-
999 INFO NOT AVAILABLE	-	-	-	-	-

TABLE 266C

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON CETA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		2328	100.0	1588	739	7
ELECTRICAL ENG.	003	23	1.0	7	17	-
MINING & PETRO. ENG.	010	3	.1	-	3	-
INDUSTRIAL ENG.	012	13	.6	7	7	-
SURVEYING & RELATED	018	3	.1	3	-	-
GEOLOGY	024	3	.1	-	3	-
PSYCHOLOGY	045	17	.7	10	7	-
MEDICINE & SURGERY	070	3	.1	-	3	-
PHARMACY	074	3	.1	-	3	-
NURSING	075	13	.6	10	3	-
MED./DENTAL TECH.	078	3	.1	3	-	-
MED. & HEALTH, NEC	079	20	.9	17	3	-
COLLEGE/UNIVERSITY ED	090	3	.1	3	-	-
SECONDARY ED.	091	13	.6	13	-	-
PRIMARY SCHOOL ED	092	17	.7	17	-	-
HANDICAPPED ED.	094	3	.1	3	-	-
EDCUATION, NEC	099	7	.3	7	-	-

TABLE 266D

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON CETA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		2328	100.0	1588	739	7
LEGAL WORK	110	3	.1	3	-	-
COMMERCIAL ART	141	3	.1	3	-	-
PHOTOGRAPHY	143	3	.1	-	3	-
ATHLETICS & SPORTS	153	3	.1	3	-	-
ENTERTAIN./REC., NEC	159	3	.1	3	-	-

TABLE 266E

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON CETA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		2328	100.0	1588	739	7
ACCOUNTING/AUDITING	160	23	1.0	7	17	-
PURCHASING MGT	162	13	.6	13	-	-
SALES/DISTRIBUT MGT	163	7	.3	7	-	-
PUBLIC RELATIONS MGT	165	7	.3	3	3	-
PERSONNEL/TRAIN ADM	166	7	.3	-	7	-
ADMIN SPECIALT NEC	169	33	1.4	17	17	-
MFG INDUSTRY MGT	183	17	.7	13	3	-
TRANS/COMM/UTILT MGT	184	3	.1	3	-	-
WHLE/RETAIL TRAD MGT	185	30	1.3	20	10	-
FINANC/INSUR/R E MGT	186	7	.3	7	-	-
SERVICE INDUSTRY MGT	187	23	1.0	10	13	-
PUBLIC ADMIN MGT	188	3	.1	3	-	-
MISC MGT WORK NEC	189	23	1.0	17	7	-
SECRETARIAL WORK	201	77	3.3	70	7	-
TYPING	203	27	1.2	23	3	-
PERSONNEL WORK	205	3	.1	-	3	-
STEN/TYP/FIL/RALATED	209	63	2.7	43	20	-
BOOKKEEPING	210	53	2.3	27	27	-
CASHIERING	211	60	2.6	37	23	-
TELLER SERVICE	212	7	.3	-	7	-
AUTOMAT DATA PROCESS	213	17	.7	17	-	-
BILLING-MACHINE WORK	214	10	.4	10	-	-
BOOKKEEP-MACH WORK	215	7	.3	3	3	-
COMPUTING MACH WORK	216	13	.6	7	7	-
COMPUT/ACCT RECORDNG	219	33	1.4	27	7	-
CLERICAL WORK PROD	221	7	.3	7	-	-
CLERICAL SHIP/RECV	222	37	1.6	33	3	-
MATERIAL/PROD RECOR	229	3	.1	3	-	-
RECEPTION/INFO DISP	237	20	.9	20	-	-

TABLE 266F

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON CETA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		2328	100.0	1588	739	7
MISC CLERICAL WORK	249	20	.9	17	3	-
COMMODITIES NEC	289	10	.4	3	7	-
SALES CLERKING	290	17	.7	10	7	-
ROUTE WORK	292	17	.7	13	3	-
DEMONSTRAT & MODELNG	297	3	.1	-	3	-
FOOD&BEVERAGE SERV	310	17	.7	10	7	-
FOOD SERVING	311	13	.6	10	3	-
BARTENDING	312	37	1.6	27	10	-
COOKING,LARGE HOTELS	313	13	.6	3	10	-
MISC COOKING	315	3	.1	3	-	-
MEAT CUTTING	316	7	.3	-	7	-
KITCHEN WORK NEC	318	7	.3	3	3	-
CLEANING & RELAT	381	17	.7	13	3	-
JANITORIAL SERV	382	3	.1	3	-	-
BUILDING & RELATED	389	3	.1	-	3	-
CASTING & MOLDING	556	10	.4	7	3	-
EXTRUDING	557	7	.3	3	3	-

TABLE 266G

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON CETA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		2328	100.0	1588	739	7
MACHINING & RELATED	600	13	.6	10	3	-
TOOLMAKING & RELATED	601	7	.3	3	3	-
TURNING	604	17	.7	10	7	-
MILLING & PLANING	605	7	.3	7	-	-
METAL MACHINING NEC	609	10	.4	7	3	-
FABRICATING MACHINE	616	17	.7	10	7	-
METAL FORMING NEC	617	3	.1	3	-	-
MOTORIZ VEHICLE&ENG.	620	40	1.7	37	3	3
AIRCRAFT REPAIRING	621	10	.4	10	-	-
SPEC INDUSTRY MACH	629	3	.1	-	3	-
TEXTILE MACHINE WORK	689	3	.1	3	-	-
PLASTICS,SYNTHETICS,	690	7	.3	7	-	-
FAB/ASBL&REPR METAL	709	3	.1	3	-	-
RADIO & TV	720	3	.1	-	3	-
ELECTRICAL APPLI&FIX	723	23	1.0	10	13	-
LITE BULBS&ELECTRONI	725	3	.1	3	-	-
ELECTRONIC COMPONENT	726	7	.3	3	3	-
STORAGE BATTERY	727	3	.1	3	-	-
ELECTRICAL EQUIP	729	3	.1	3	-	-

TABLE 266H

OCCUPATIONS OF THE INSURED UNEMPLOYED
BROCKTON CETA

		ALL AGES NUMBER	PER.	UNDER 45 YRS.	OVER 45 YRS.	NOT AVAIL
TOTAL		2328	100.0	1588	739	7
UPHOLSTER, MATTRESS	780	7	.3	7	-	-
LAY OUT, MARK, CUT, PUN	781	13	.6	3	10	-
MACHINE SEWING, GARM	786	3	.1	3	-	-
MACH SEW, NONGARMENT	787	73	3.1	13	60	-
FOOTWEAR	788	7	.3	-	7	-
FITT, BOLT, SCREW, RELA	801	10	.4	7	3	-
SHEET METAL WORK	804	3	.1	3	-	-
TRANSP EQUIP ASSEMBL	806	7	.3	7	-	-
BODY WORK, TRANSP EQ	807	3	.1	3	-	-
LIGHT EQUIP&BUILD	824	37	1.6	20	17	-
ASSMBLY, INSTALL, REPR	829	23	1.0	20	3	-
EXCAVAT, GRADNG&RELAT	850	3	.1	3	-	-
CONCRETE PAVING	852	7	.3	7	-	-
CARPENTRY & RELATED	860	33	1.4	27	7	-
BRICK&STONE MASONRY	861	3	.1	3	-	-
PLUMBING, GAS FITT	862	40	1.7	30	10	-
ROOFING&RELATED	866	7	.3	3	3	-
MISC CONSTRUCTION	869	103	4.4	80	23	-
TRAILER-TRUCK DRIV	904	7	.3	3	3	-
HEAVY TRUCK DRIV	905	73	3.1	63	10	-
LIGHT TRUCK DRIVING	906	7	.3	7	-	-
PACKAGING	920	10	.4	7	3	-
HOISTING & CONVEYING	921	3	.1	3	-	-
MATERIAL MOVING&STOR	922	90	3.9	73	17	-
PACK/MATERIALS HANDL	929	70	3.0	50	20	-

TABLE 366

AGE AND AVERAGE WEEKLY EARNINGS OF THE INSURED UNEMPLOYED
BROCKTON CETA

	TOTAL		MALES		FEMALES	
	NUMBER	PER.	NUMBER	PER.	NUMBER	PER.
TOTAL	2334	100.0	1405	100.0	929	100.0
AGE GROUPS						
TOTAL	2328	99.7	1399	99.6	929	100.0
UNDER 20	-	-	-	-	-	-
UNDER 25	519	22.2	330	23.5	190	20.5
25 - 34	653	28.0	393	28.0	260	28.0
35 - 44	416	17.8	233	16.6	183	19.7
45 - 54	300	12.9	170	12.1	130	14.0
55 - 64	283	12.1	167	11.9	117	12.6
65 & OVER	157	6.7	107	7.6	50	5.4
WEEKLY EARN.						
TOTAL	2328	99.7	1402	99.8	926	99.7
UNDER $100.	313	13.4	100	7.1	213	22.9
$100-$149	513	22.0	206	14.7	306	32.9
$150-$199	549	23.5	323	23.0	226	24.3
$200-$249	320	13.7	216	15.4	103	11.1
$250-$299	236	10.1	203	14.4	33	3.6
$300 +	396	17.0	353	25.1	43	4.6

TABLE 566

DURATION MOST RECENT SPELL (ALL PROGRAMS)
BROCKTON CETA

	TOTAL	0-4 WEEKS	5-14 WEEKS	15-26 WEEKS	27+ WEEKS
TOTAL	2334	536	1099	599	100
OCCUPATION					
PROF,TECH,MGT	393	83	200	107	3
CLERICAL/SALES	576	80	286	167	43
SERVICES	216	50	87	73	7
FARM,FISH,FURS	13	3	3	7	-
PROCESSING	43	7	27	7	3
MACHINE TRADES	196	37	110	43	7
BENCH WORK	233	100	77	50	7
STRUCTURAL	343	100	153	63	27
MISC. WORK	320	77	157	83	3
I.N.A.	-	-	-	-	-
INDUSTRY ATTACH.					
MANUFACTURING	706	213	323	153	17
CONSTRUCTION	233	80	90	50	13
TRANS/UTIL	100	37	30	30	3
WHOL/RET/TRADE	546	83	256	176	30
FIN/INS/R.E.	63	10	23	27	3
SERVICES	370	53	233	70	13
GOVERNMENTS	293	57	130	87	20
OTHERS	17	3	10	3	-
I.N.A.	7	-	3	3	-
MALES	1399	310	656	373	60
UNDER 20	-	-	-	-	-
UNDER 25	330	60	183	83	3
25 - 34	393	83	173	110	27
35 - 44	233	73	83	67	10
45 - 54	170	43	70	53	3
55 - 64	167	27	90	33	17
65 & OVER	107	23	57	27	-
FEMALES	929	226	440	223	40
UNDER 20	-	-	-	-	-
UNDER 25	190	47	97	43	3
25 - 34	260	50	133	67	10
35 - 44	183	43	100	37	3
45 - 54	130	33	43	40	13
55 - 64	117	40	47	23	7
65 & OVER	50	13	20	13	3

TABLE 2--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
BROCKTON MASSACHUSETTS
MAR 1930

JOB TITLE	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
TOTAL, ALL OCCUPATIONS	634	$ 8,312	369	$ 8,651	232	$ 8,859
0 & 1 PROFESSIONAL, TECHNICAL, AND MANAGERIAL	46	11,682	34	11,924	23	11,187
003 ELECTRICAL AND ELECTRONICS ENGINEERING	1	6,760	0	0	0	0
005 CIVIL ENGINEERING	4	17,170	4	17,170	4	17,170
007 MECHANICAL ENGINEERING	6	11,627	5	10,832	5	10,832
01 ARCHITECTURE AND ENGINEERING	5	11,924	3	10,240	2	9,360
012 INDUSTRIAL ENGINEERING	3	13,633	1	12,000	0	0
017 DRAFTING AND RELATED WORK	2	9,360	2	9,360	2	9,360
02 MATHEMATICS AND PHYSICAL SCIENCES	1	14,664	1	14,664	0	0
020 MATHEMATICS	1	14,664	1	14,664	0	0
04 LIFE SCIENCES	1	12,538	0	0	0	0
045 PSYCHOLOGY	1	12,538	0	0	0	0
05 SOCIAL SCIENCES	1	14,500	1	14,500	1	14,500
054 SOCIOLOGY	1	14,500	1	14,500	1	14,500
07 MEDICINE AND HEALTH	7	11,674	6	12,407	1	8,840
075 REGISTERED NURSES	4	13,400	4	13,400	0	0
078 MEDICAL AND DENTAL TECHNOLOGY	1	12,000	1	12,000	0	0
079 MEDICINE AND HEALTH, N.E.C	2	8,060	1	8,840	1	8,840
09 EDUCATION	2	10,798	1	11,229	1	11,229
091 SECONDARY SCHOOL EDUCATION	1	11,229	1	11,229	1	11,229
094 EDUCATION OF THE HANDICAPPED	1	10,366	0	0	0	0
16 ADMINISTRATIVE SPECIALIZATIONS	2	10,576	2	10,576	1	10,400

TABLE 2--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
BROCKTON MASSACHUSETTS
MAR 1980

JOB TITLE	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
161 BUDGET AND MANAGEMENT ANALYSIS	1	$ 10,751	1	$ 10,751	0	$ 0
163 SALES AND DISTRIB. MANAGEMENT	1	10,400	1	10,400	1	10,400
18 MANAGERS AND OFFICIALS, N.E.C.	11	10,180	9	10,251	8	8,845
185 WHOLESALE AND RETAIL TRADE MANAGEMENT	7	11,131	6	11,366	5	9,339
189 MISC. MANGERS AND OFFICIALS N.E.C.	4	8,516	3	8,022	3	8,022
19 MISC. PROFESSIONAL, TECHNICAL, MANAGERIAL	4	10,355	1	10,617	0	0
195 SOCIAL AND WELFARE WORK	4	10,355	1	10,617	0	0
2 CLERICAL AND SALES	207	8,251	158	8,394	124	8,445
20 STENOGRAPHY, TYPING, FILING, AND RELATED	149	8,192	127	8,263	102	8,291
201 SECRETARIES	10	8,042	5	8,420	4	8,445
202 STENOGRAPHERS	1	8,320	1	8,320	1	8,320
203 TYPISTS & TYPEWRITING MACHINE OPERATORS	5	8,019	3	7,784	2	7,774
205 INTERVIEWING CLERKS	122	8,298	115	8,296	93	8,320
206 FILE CLERKS	2	6,656	0	0	0	0
209 STENOGRAPHY, TYPING FILING & REL WRK NEC	9	7,349	3	7,193	2	7,150
21 COMPUTING AND ACCOUNT-RECORDING	28	7,565	11	7,483	8	7,495
210 BOOKKEEPERS & BOOKKEEPING MACHINE OPS.	5	8,239	1	9,100	1	9,100
211 CASHIERS AND TELLERS	2	6,500	1	6,552	1	6,552
213 ELCTRNC/ELECTROMECHANICAL DATA PROCESSOR	1	7,800	0	0	0	0
214 BILLING AND RATE CLERKS	1	9,100	0	0	0	0
216 ACCOUNTING AND STATISTICAL CLERKS	5	7,696	2	7,800	1	7,280
219 COMPUTING AND ACCOUNT RECORDING	14	7,303	7	7,295	5	7,405

TABLE 2--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
BROCKTON MASSACHUSETTS
MAR 1980

JOB TITLE	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
22 PRODUCTION AND STOCK CLERKS	6	$ 8,523	3	$ 7,523	1	$ 8,320
221 PRODUCTION CLERKS	3	9,975	1	7,800	0	0
222 SHIPPING, RECEIVING, AND STOCK CLERKS	3	7,072	2	7,384	1	8,320
23 INFORMATION AND MESSAGE DISTRIBUTION	3	7,367	1	7,800	1	7,800
237 INFORMATION AND RECEPTION CLERKS	3	7,367	1	7,800	1	7,800
24 MISCELLANEOUS CLERICAL	1	9,360	0	0	0	0
249 MISCELLANEOUS CLERICAL WORK, N.E.C.	1	9,360	0	0	0	0
25 SALES OCCUPATIONS, SERVICES	7	11,514	7	11,514	6	11,483
250 SALES OCCS., REAL ESTATE & INSURANCE	7	11,514	7	11,514	6	11,483
26 SALESPERSON, CONSUMABLE COMMODITIES	1	12,420	1	12,420	1	12,420
260 AGRICULTURAL AND FOOD PRODUCTS	1	12,420	1	12,420	1	12,420
27 SALESPERSONS, COMMODITIES, N.E.C.	8	8,990	7	9,234	4	9,399
273 SALESWORK, TRANSPORT. EQUIP.PARTS & SUPP.	2	10,400	2	10,400	2	10,400
274 SALESWORK, INDUSTRIAL EQUIP. & SUPPLIES	1	7,280	0	0	0	0
277 SALESWORK, SPORT, HOBBY, STATIONERY, REL GD	2	9,360	2	9,360	1	9,360
279 SALES OCCS., MISC. COMMODITIES, N.E.C.	3	8,372	3	8,372	1	7,436
29 MISCELLANEOUS SALES OCCUPATIONS	4	6,968	1	6,448	1	6,448
290 SALES CLERKS	1	6,448	1	6,448	1	6,448
292 ROUTE SALES AND DELIVERY	1	8,320	0	0	0	0
299 MISC.SALES OCCUPATIONS, N.E.C.	2	6,552	0	0	0	0

TABLE 2--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
BROCKTON MASSACHUSETTS
MAR 1980

JOB TITLE	OPENINGS AVAILABLE TOTAL	OPENINGS AVAILABLE AVERAGE PAY	OPENINGS UNFILLED TOTAL	OPENINGS UNFILLED AVERAGE PAY	OPENINGS UNFILLED 30 DAYS TOTAL	OPENINGS UNFILLED 30 DAYS AVERAGE PAY
3 SERVICE	98	$ 3.40	41	$ 3.51	15	$ 3.71
30 DOMESTIC SERVICE	30	3.34	12	3.25	2	0
301 HOUSEHOLD AND RELATED WORK	1	0	1	0	1	0
309 DOMESTIC SERVICE OCCUPATIONS, N.E.C.	29	3.34	11	3.25	1	0
31 FOOD & BEVERAGE PREPARATION & SVC. OCCS.	32	3.59	20	3.67	6	4.21
310 HOSTS(ESSES)/STEWARDS(ESSES) EXCEPT SHIP	1	3.50	1	3.50	0	0
311 WAITERS/WAITRESSES	11	3.10	10	3.10	0	0
313 CHEFS AND COOKS, HOTELS & RESTAURANTS	5	4.86	4	5.08	2	4.84
315 MISCELLANEOUS COOKS, EXCEPT DOMESTIC	1	4.25	0	0	0	0
316 MEATCUTTING,EXC. IN SLAU.AND PACK.HOUSES	1	6.25	1	6.25	1	6.25
317 MISCELL. FOOD AND BEVERAGE PREPARATION	2	3.10	0	0	0	0
318 KITCHEN WORKERS, N.E.C.	11	3.30	4	3.10	3	3.10
32 LODGING AND RELATED SERVICE OCCUPATIONS	1	3.30	1	3.30	1	3.30
323 HOUSECLEANERS,HOTELS RESTS. & REL.EST.	1	3.30	1	3.30	1	3.30
35 MISC. PERSONAL SERVICE OCCUPATIONS	3	3.40	1	3.71	0	0
355 ATTEN.WORK,HOSPITALS MORG.AND REL.HEALT.S	2	3.25	0	0	0	0
359 MISC. PERSONAL SERVICE OCCUPATIONS, NEC	1	3.71	1	3.71	0	0
36 APPAREL/FURNISHINGS SERVICE OCCUPATIONS	4	3.45	3	3.40	2	3.10
361 LAUNDERING SERVICE	2	3.10	2	3.10	2	3.10
363 PRESSING SERVICE	2	3.80	1	4.00	0	0
37 PROTECTIVE SERVICE OCCUPATIONS	23	3.15	4	3.39	4	3.39
372 SEC.GRDS/CORR.OFFICERS EXC.CROSS.TENDERS	22	3.10	3	3.10	3	3.10

TABLE 2--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
BROCKTON MASSACHUSETTS
MAR 1980

JOB TITLE	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
379 PROTECTIVE SERVICES OCCUPATIONS, N.E.C.	1	$ 4.24	1	$ 4.24	1	$ 4.24
38 BUILDING AND RELATED SERVICE OCCUPATIONS	5	3.57	0	0	0	0
381 PORTERS AND CLEANERS	1	3.50	0	0	0	0
382 JANITORS	4	3.59	0	0	0	0
4 FARMING, FISHERY, FORESTRY, AND RELATED	5	4.52	2	5.13	0	0
40 PLANT FARMING OCCUPATIONS	4	4.40	2	5.13	0	0
405 HORTICULTURAL SPECIALTY OCCUPATIONS	1	3.10	0	0	0	0
408 PLANT LIFE AND REL. SVC. OCCUPATIONS	3	4.83	2	5.13	0	0
41 ANIMAL FARMING OCCUPATIONS	1	5.00	0	0	0	0
410 DOMESTIC ANIMAL FARMING OCCUPATIONS	1	5.00	0	0	0	0
5 PROCESSING	20	3.63	10	3.68	0	0
52 PROC. FOOD, TOBACCO AND RELATED PRODUCTS	2	4.05	0	0	0	0
526 COOKING AND BAKING OCCUPATIONS, N.E.C.	2	4.05	0	0	0	0
55 CHEM, PLASTICS, SYNTH, RUBBER, PAINT PROCESS	4	4.06	4	4.06	0	0
553 HEAT., BAKING, SEAS. MELT., AND HEAT TREAT	1	6.00	1	6.00	0	0
556 CASTING AND MOLDING OCCUPATIONS, N.E.C.	2	3.50	2	3.50	0	0
557 EXTRUDING	1	3.25	1	3.25	0	0
57 PROCESSING OF STONE, CLAY, GLASS & REL PR	5	3.60	4	3.50	0	0
570 CRUSHING, GRINDING, AND MIXING	2	3.50	2	3.50	0	0
574 IMPREGNATING, COATING AND GLAZING OCCS.	2	3.50	2	3.50	0	0

TABLE 2--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
BROCKTON MASSACHUSETTS
MAR 1980

JOB TITLE	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
649 PAPERWORKING OCCUPATIONS, N.E.C.	1	$ 3.50	0	$ 0	0	$ 0
65 PRINTING OCCUPATIONS	6	3.68	4	3.84	0	0
651 PRINTING PRESS WORK	3	3.91	1	5.00	0	0
653 BOOKBINDING-MACHINE OPERATORS & REL.OCCS	3	3.45	3	3.45	0	0
69 MACHINE TRADES OCCUPATIONS, N.E.C.	16	3.64	13	3.69	2	3.32
690 PLASTIC,SYN,RUBBER & LEATHER WORK. OCCS.	10	3.32	8	3.32	2	3.32
692 FABRICATION OF PROD. FROM ASSORTED MATER.	1	3.20	1	3.20	0	0
699 MISC. MACHINE WORK OCCUPATIONS, N.E.C.	5	4.35	4	4.55	0	0
7 BENCH WORK	85	3.67	40	3.71	29	3.81
70 METAL PROD. FAB. ASSEMBLY & REPAIR, NEC	30	3.44	17	3.61	11	3.60
701 FAB.ASSEM.REPAIR OF TOOLS AND REL.PROD.	14	3.14	8	3.14	3	3.10
704 ENGRAVING, ETCHING, AND RELATED WORK	2	3.25	0	0	0	0
705 FILING,GRINDING,BUF, CLEANING & POL OCCS.	4	3.10	3	3.10	3	3.10
706 METAL UNIT ASSEMBLY & ADJUSTING N.E.C.	10	4.03	6	4.50	5	4.20
72 ASSEMBLY AND REPAIR OF ELECTRICAL EQUIP.	11	4.05	3	4.08	2	4.50
720 RADIO & TV RECEIVERS & PHONO. ASSEMB/REP	1	5.00	1	5.00	1	5.00
726 ASSEM. & REP. OF ELEC.COMPON.& ACC., NEC	10	3.95	2	3.63	1	4.00
73 FAB/REPAIR OF PROD. MADE FROM ASST.MATER	9	3.31	1	3.31	0	0
739 FAB/REP.OF PROD.MADE FROM ASSORT.MATS.NEC	9	3.31	1	3.31	0	0
75 PLASTICS,SYN.,RUBBER & REL. PROD. FAB/REP	2	3.35	2	3.35	2	3.35
750 TIRES, TUBES, TIRE TREADS FAB. & REPAIR	2	3.35	2	3.35	2	3.35

TABLE 2--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
BROCKTON MASSACHUSETTS
MAR 1980

JOB TITLE	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
575 FORMING	1	$ 4.00	0	$ 0	0	$ 0
58 PROCESSING LEATHER, TEXTILES, & REL. PR.	8	3.30	2	3.25	0	0
583 IRONING, PRESS. GLAZ., STAK., CALEN., EMBOSS.	7	3.27	2	3.25	0	0
589 LEATHER, TEXTILES & R EL. PROD. PROCESS., NEC	1	3.50	0	0	0	0
59 PROCESSING OCCUPATIONS, N.E.C.	1	3.85	0	0	0	0
599 MISCELLANEOUS PROCESSING, N.E.C.	1	3.85	0	0	0	0
6 MACHINE TRADES	75	4.16	38	4.32	16	4.43
60 METAL MACHINING OCCUPATIONS	24	4.14	11	4.59	9	4.75
600 MACHINISTS AND RELATED OCCUPATIONS	16	4.46	10	4.68	9	4.75
604 TURNING	4	3.25	0	0	0	0
609 METAL MACHINING OCCUPATION, N.E.C.	4	3.75	1	3.75	0	0
61 METALWORKING OCCUPATION, N.E.C.	7	3.58	1	3.25	1	3.25
615 PUNCHING AND SHEARING	2	3.25	1	3.25	1	3.25
616 FABRICATING MACHINE WORK	5	3.72	0	0	0	0
62 MECHANICS AND MACHINERY REPAIRERS	15	5.33	9	5.23	4	4.57
620 MTR. VEHICLE & ENGINEER. EQUIP. MECHANICS	12	5.09	6	4.70	3	3.57
626 METALWORKING MACHINERY MECHANICS	2	5.64	2	5.64	0	0
629 SPECIAL INDUSTRY MACHINERY MECHANICS	1	7.55	1	7.55	1	7.55
63 MECHANICS AND MACHINERY REPAIRERS	6	4.04	0	0	0	0
638 MISC. MACHINE INSTALLATION & REPAIR OCCS.	6	4.04	0	0	0	0
64 PAPERWORKING OCCUPATIONS	1	3.50	0	0	0	0

TABLE 2--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
BROCKTON MASSACHUSETTS
MAR 1980

JOB TITLE	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
78 FAB/REP OF TEXTILE, LEATHER & REL. PROD.	33	$ 3.87	17	$ 3.81	14	$ 3.94
781 LAY. OUT, MARK., CUT. & PUNCH. OCCS., NEC	5	3.92	2	3.18	2	3.18
782 HANDSEWING, MENDING, EMBROID, & KNIT, NEC	2	3.10	2	3.10	2	3.10
783 FUR & LEATHER WORKING OCCUPATIONS	1	3.10	0	0	0	0
785 TAILORING AND DRESSMAKING	3	4.00	0	0	0	0
786 MACHINE SEWING OPERATORS, GARMENT	5	5.14	3	5.37	3	5.37
787 MACHINE SEWING OPERATORS, NONGARMENT	8	3.81	7	3.78	7	3.78
788 OCCS. IN FABRICATION & REPAIR OF FOOTWEAR	4	3.40	3	3.20	0	0
789 FAB/REP TEXTILE, LEATHER & REL PROD. NEC	5	3.40	0	0	0	0
8 STRUCTURAL WORK	29	5.38	19	5.44	17	5.53
80 OCCUPATIONS IN METAL FABRIACTION, N.E.C.	7	5.71	6	5.75	5	5.70
801 FITTING, BOLTING, SCREWING, AND REL. WRK	4	5.50	3	5.50	3	5.50
807 BODY WORK, TRANSPORT. EQUIPMENT	3	6.00	3	6.00	2	6.00
81 WELDERS, CUTTERS AND RELATED OCCUPATIONS	12	5.44	9	5.56	9	5.56
810 ARC WELDERS AND CUTTERS	12	5.44	9	5.56	9	5.56
82 ELECTRICAL ASSEMB., INST., AND REPAIRING	2	5.00	0	0	0	0
822 WIRE COM.DET.SIG.EQU ASSEM.INSTAL.AND REP	1	4.50	0	0	0	0
824 LIGHT.EQU. & BLD.WIR ASSEM.INST.REP, NEC	1	5.50	0	0	0	0
86 CONSTRUCTION OCCUPATIONS, N.E.C.	5	5.70	2	5.75	2	5.75
866 ROOFING AND RELATED WORK	3	5.50	1	5.50	1	5.50

TABLE 2--TOTAL ES JOB BANK OPENINGS AND AVERAGE PAY
BY OCCUPATIONAL CATEGORY, DIVISION AND JOB TITLE
BROCKTON MASSACHUSETTS
MAR 1980

JOB TITLE	OPENINGS AVAILABLE		OPENINGS UNFILLED		OPENINGS UNFILLED 30 DAYS	
	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY	TOTAL	AVERAGE PAY
869 MISCELLANEOUS CONSTRUCTION WORK, N.E.C.	2	$ 6.00	1	$ 6.00	1	$ 6.00
89 STRUCTURAL WORK OCCUPATIONS, N.E.C.	3	4.10	2	3.69	1	4.00
899 MISC. STRUCTURAL WORK OCCS., N.E.C.	3	4.10	2	3.69	1	4.00
9 MISCELLANEOUS	69	3.54	27	3.47	8	3.51
90 MOTOR FREIGHT OCCUPATIONS	12	3.95	6	3.77	1	4.50
904 TRAILER-TRUCK DRIVING	2	5.38	0	0	0	0
905 HEAVY TRUCK DRIVING	2	3.56	1	3.12	0	0
906 LIGHT TRUCK DRIVING	8	3.70	5	3.90	1	4.50
91 TRANSPORTATION OCCUPATIONS, N.E.C.	4	3.10	2	3.10	2	3.10
915 PARKING LOT & AUTO. SERVICE FACILITIES	3	3.10	2	3.10	2	3.10
919 MISC. TRANSPORTATION WORK, N.E.C.	1	3.10	0	0	0	0
92 PACKAGING/MATERIALS HANDLING OCCUPATIONS	53	3.47	19	3.40	5	3.40
920 PACKAGING OCCUPATIONS	9	3.27	5	3.29	1	3.25
922 MATERIALS MOVING AND STORING OCCS., N.E.C	39	3.53	10	3.44	3	3.50
929 PACKAGING/MATERIALS HANDLING OCCS,N.E.C.	5	3.37	4	3.44	1	3.25

TABLE B07 04/30/80 MASSACHUSETTS SMSA 1200 TABLE B07

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM	TOTAL NONAG AND AG.	UNDER $2.90	$2.90- $3.10	$3.11- $3.49	$3.50- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00 & OVER	AVERAGE	OTHER*
A	B	C	D	E	F	G	H	I	J	K	L	M	N
	OPENINGS RECEIVED												
B07010	TOTAL	2743	11	784	575	495	380	92	101	83	163	3.91	64
B07015	0-1 PROF TECH MGR	194	3	3	2	14	12	19	28	32	34	5.37	42
B07020	20-24 CLERICAL	633	0	103	220	143	193	13	5	1	7	3.67	1
B07025	25-29 SALES	255	0	189	11	11	4	7	6	20	5	3.43	0
B07030	30 DOMESTIC	71	1	13	33	17	0	0	0	0	0	3.26	2
B07035	31-39 OTHER SERV	373	6	180	75	38	33	7	6	2	11	3.53	18
B07040	4 FARM F & F	31	0	12	0	9	4	0	4	1	1	3.76	0
B07045	5 PROCESSING	64	0	26	8	16	10	0	1	1	2	3.54	0
B07050	6 MACHINE TRADES	192	0	28	58	38	19	16	10	7	15	4.16	1
B07055	7 BENCH WORK	234	0	60	76	40	34	12	4	3	5	3.58	0
B07060	8 STRUCTURAL	254	0	56	10	17	41	14	26	14	76	5.61	0
B07065	90-91 MOTOR FRGT, TRANSP	62	1	13	6	20	9	2	4	2	5	3.94	0
B07070	92 PKG MTRL HNDL	327	0	95	71	131	21	2	5	0	2	3.45	0
B07075	93-97 OTHER	2	0	1	0	1	0	0	0	0	0	3.25	0
	OPENINGS FILLED												
B07085	TOTAL	1569	8	469	323	327	243	44	39	15	46	3.68	55
B07090	0-1 PROF TECH MGR	89	2	1	2	17	6	8	6	0	5	4.41	42
B07095	20-24 CLERICAL	348	0	32	119	96	84	6	4	0	6	3.76	1
B07100	25-29 SALES	199	0	177	10	6	1	0	0	4	1	3.10	0
B07105	30 DOMESTIC	27	0	2	21	4	0	0	0	0	0	3.28	0
B07110	31-39 OTHER SERV	248	6	111	40	20	52	3	1	1	2	3.36	12
B07115	4 FARM F & F	22	0	12	0	4	5	0	1	0	0	3.43	0
B07120	5 PROCESSING	27	0	7	0	12	5	0	1	1	1	3.78	0
B07125	6 MACHINE TRADES	113	0	24	23	22	11	10	8	2	8	4.19	0
B07130	7 BENCH WORK	107	0	22	35	21	22	1	2	2	2	3.59	0
B07135	8 STRUCTURAL	113	0	14	9	12	35	13	9	4	17	4.77	0
B07140	90-91 MOTOR FRGT, TRANSP	33	0	4	5	13	5	1	2	1	2	3.87	0
B07145	92 PKG MTRL HNDL	239	0	60	54	99	17	2	5	0	2	3.51	0
B07150	93-97 OTHER	4	0	3	0	1	0	0	0	0	0	3.13	0

* OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

SMSA 1200 MONTHLY YEAR TO DATE
FOR PERIOD ENDING 04/30/80 PAGE 001

TABLE A07 04/30/80 MASSACHUSETTS SMSA 1200 TABLE A07

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATION AND SPECIFIED TYPES

ITEM NO	ITEM	TOTAL NONAG AND AG	NONAGRICULTURAL			AGRICULTURAL			SPECIAL CLASS OF OPENINGS					
			OVER 150 DAYS	4 TO 150 DAYS	3 DAYS OR LESS	OVER 150 DAYS	4 TO 150 DAYS	3 DAYS OR LESS	APPRENTICESHIP	CETA/ OJT	CETA/ PSE	CETA WORK EXP	WIN/ OJT & PSE	AFFIRMATIVE ACTION
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	OPENINGS RECEIVED													
A07010	TOTAL	2748	2417	232	75	19	5	0	0	0	146	0	19	0
A07015	0-1 PROF TECH MGR	194	190	3	0	1	0	0	0	0	34	0	6	0
A07020	20-24 CLERICAL	686	646	39	1	0	0	0	0	0	29	0	1	0
A07025	25-29 SALES	255	93	101	61	0	0	0	0	0	0	0	0	0
A07030	30 DOMESTIC	71	70	1	0	0	0	0	0	0	0	0	0	0
A07035	31-39 OTHER SERVICES	376	369	1	6	0	0	0	0	0	22	0	3	0
A07040	4 FARM F & F	31	10	3	0	13	5	0	0	0	5	0	0	0
A07045	5 PROCESSING	64	64	0	0	0	0	0	0	0	0	0	2	0
A07050	6 MACHINE TRADES	192	190	2	0	0	0	0	0	0	0	0	3	0
A07055	7 BENCH WORK	234	218	16	0	0	0	0	0	0	0	0	2	0
A07060	8 STRUCTURAL	254	203	51	0	0	0	0	0	0	51	0	2	0
A07065	90-91 MOTOR FRGT, TRANSP	62	55	2	0	5	0	0	0	0	0	0	0	0
A07070	92 PKG MTRL HNDL	327	307	13	7	0	0	0	0	0	4	0	0	0
A07075	93-97 OTHER	2	2	0	0	0	0	0	0	0	1	0	0	0
	OPENINGS FILLED													
A07085	TOTAL	1569	1336	151	67	10	5	0	0	0	148	0	19	0
A07090	0-1 PROF TECH MGR	89	89	0	0	0	0	0	0	0	17	0	6	0
A07095	20-24 CLERICAL	348	335	12	1	0	0	0	0	0	37	0	1	0
A07100	25-29 SALES	199	44	96	59	0	0	0	0	0	0	0	0	0
A07105	30 DOMESTIC	27	26	1	0	0	0	0	0	0	0	0	0	0
A07110	31-39 OTHER SERV	248	248	0	0	0	0	0	0	0	54	0	3	0
A07115	4 FARM F & F	22	7	0	0	10	5	0	0	0	3	0	0	0
A07120	5 PROCESSING	27	27	0	0	0	0	0	0	0	0	0	2	0
A07125	6 MACHINE TRADES	113	111	2	0	0	0	0	0	0	0	0	3	0
A07130	7 BENCH WORK	107	94	13	0	0	0	0	0	0	0	0	2	0
A07135	8 STRUCTURAL	113	102	11	0	0	0	0	0	0	25	0	2	0
A07140	90-91 MOTOR FRGT, TRANSP	33	33	0	0	0	0	0	0	0	1	0	0	0
A07145	92 PKG MTRL HNDL	239	216	16	7	0	0	0	0	0	8	0	0	0
A07150	93-97 OTHER	4	4	0	0	0	0	0	0	0	3	0	0	0

SMSA 1200

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 04/30/80 PAGE 001

APPENDIX

POVERTY INCOME GUIDELINES FOR ALL STATES EXCEPT ALASKA AND HAWAII

Size of family unit	Nonfarm family	Farm family
1	$3,790	$3,250
2	5,010	4,280
3	6,230	5,310
4	7,450	6,340
5	8,670	7,370
6	9,890	8,400

For family units with more than 6 members, add $1,220 for each additional member in a nonfarm family and $1,030 for each additional member in a farm family.

POVERTY GUIDELINES FOR ALASKA

Size of family unit	Nonfarm family	Farm family
1	$ 4,760	$ 4,090
2	6,280	5,370
3	7,800	6,650
4	9,320	7,930
5	10,840	9,210
6	12,360	10,490

For family units with more than 6 members, add $1,520 for each additional member in a nonfarm family and $1,280 for each additional member in a farm family.

POVERTY GUIDELINES FOR HAWAII

Size of family unit	Nonfarm family	Farm family
1	$ 4,370	$ 3,760
2	5,770	4,940
3	7,170	6,120
4	8,570	7,300
5	9,970	8,480
6	11,370	9,660

For family units with more than 6 members, add $1,400 for each additional member in a nonfarm family and $1,180 for each additional member in a farm family.

(2/1/80)

COMPUTATIONS FOR FEBRUARY 1980 ANNUAL REVISION TO POVERTY INCOME GUIDELINES
(Nonfarm Families in all States Except Alaska and Hawaii)

(1) Size of family unit	(2) Nonfarm poverty thresholds in 1978 (wtd avgs)[a]	(3) Column 2 multiplied by 1.11259 price inflator[b]	(4) Increase between Column 3 entries	(5) Average increase in Column 3[c]	(6) Nonfarm Feb. 1980 guidelines
1	$3,311	$3,684	$1,043	$1,220	$3,790
2	4,249	4,727	1,060	1,220	5,010
3	5,201	5,787	1,625	1,220	6,230
4	6,662	7,412	1,355	1,220	7,450[d]
5	7,880	8,767	1,125	1,220	8,670
6	8,891	9,892	1,113	1,220	9,890

[a] Source: Column 2 entries are from Table 17 (total nonfarm column) of U.S. Bureau of the Census, Current Population Reports, Series P-60, No. 120, "Money Income and Poverty Status of Families and Persons in the United States: 1978" (Advance Report), U.S. Government Printing Office, Washington, D. C., 1979 (Nov.). Entry for size 7 (not shown is estimated to be $9,891)..

[b] Source: Department of Labor, CPI Press Release, USDL-80-46, December 1979. (Consumer Price Index for all items was 195.4 in 1978 and 217.4 in 1979, an increase of 11.26 percent.)

[c] Source: Arithmetic average of Column 4 entries, rounded to nearest multiple of $20.

[d] Obtained by multiplying the average low-income threshold for a nonfarm family unit of 4 persons in 1976, as published in Table 17 ($6,662) by the inflation factor from 1978 to 1979 (1.11259) and rounding the result upward if necessary to a nearest whole multiple of $50. All other entries in Column 6 are obtained by successive addition or subtraction of the average increase ($1,220) to size 4 1980 guideline entry ($7,450).

For farm families in continental U.S., multiply Column 6 entry for nonfarm family of size 4 by a scaling factor of 0.85 and round upward as necessary to multiples of $10. Multiply average nonfarm increase shown in Column 5 ($1,220) by 0.85 and round downward as necessary to multiple of $10. Apply resulting average farm increase successively to the size 4 farm guideline to obtain remaining farm entries. For Alaska and Hawaii, scaling factors of 1.25 and 1.15 are applied to the 1980 nonfarm and farm continental U.S. guidelines and rounded to multiples of $10. For family units with more than 6 members, add $1,220 for each person in nonfarm continental U.S., $1,030 for farm, and proportional amounts for Alaska and Hawaii.

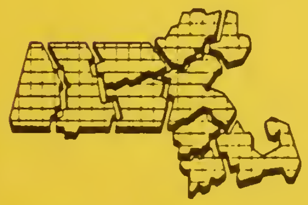
MASS MA 20. 27: Br/1982

ANNUAL PLANNING INFORMATION REPORT FISCAL YEAR 1982 BROCKTON SMSA

GOVERNMENT DOCUMENTS
COLLECTION

SEP 22 1981

University of Massachusetts
Depository Copy



LABOR AREA RESEARCH PUBLICATION

Massachusetts Division of Employment Security

job market research

THE COMMONWEALTH OF MASSACHUSETTS
DIVISION OF EMPLOYMENT SECURITY
Charles F. Hurley Building
Government Center, Boston, MA. 02114

ANNUAL PLANNING INFORMATION REPORT
FISCAL YEAR 1982

BROCKTON, MASSACHUSETTS
STANDARD METROPOLITAN STATISTICAL AREA

Prepared by: Bernard J. Burns
Labor Market Economist

Eugene J. Doody, Director

Helen B. Munzer, Director
Job Market Research

Dorothy R. Sullivan,
Chief Supervisor
Labor Area Research

Table Of Contents

Page

I. Highlights and Conclusions 1

II. Description of State and Area 2

III. Employment Developments and Outlook by Industry 10

IV. Employment Developments and Outlook by Occupation 21

V. Recent Unemployment Trends and Projections 27

VI. Labor Supply-Demand Imbalances 36

VII. Individuals in Need of Employment Service 41

VIII. Training Programs 44

Appendix 46

List Of Tables

1. Population and Labor Force Composition Projections, Fiscal Year 1982 - Brockton SMSA 7

2. Labor Force Composition Projected Change 1970-1982, Brockton SMSA 8

3. Nonagricultural Employment, 1970-1980 Brockton SMSA 9

4. Nonagricultural Wage and Salary Employment, By Major Industries and Groups, Projections through Fiscal Years 1981, 1982-Brockton SMSA 11

5. Industrial Growth and Decline: Change in Annual Averages Between 1975 and 1980-Nonagricultural Wage and Salary Employment-Brockton SMSA 13

6. Percent Share of Nonagricultural Employment Brockton SMSA 14

Table Of Contents
(continued)

Page

List Of Tables (continued)

7. Manufacturing as a Percentage of Nonagricultural Employment, Brockton SMSA, 1970,1980 15

8. U. I. Covered Employment by Industry, Brockton Job Matching Service Area, Brockton CETA Consortium, 1979 16

9. Earnings of Production Workers by Industry Brockton SMSA 17

10. Firms Receiving MIFA Bonds, 1980, Brockton SMSA 20

11. High Net Demand Occupations, Brockton SMSA March 31, 1981 24

12. Applicant Surplus Occupations, Brockton SMSA March 31, 1981 25

13. Occupations of Employed Persons, by Sex and Minority Status, Brockton SMSA - 1979 26

14. Employment Statistics, 1975-1980 Brockton SMSA 29

15. Employment Statistics, 1975-1980, Comm. of Mass 30

16. Labor Force Statistics by Cities & Towns, Brockton Job Matching Center Area & Brockton CETA Area, 1980.. 31

17. Characteristics of Insured Unemployed by Place of Residence and by Race, Brockton SMSA, March 1981..... 32

18. Characteristics of Insured Unemployed by Place of Residence and by Race, Brockton CETA Consortium March 1981 33

19. Characteristics of Insured Unemployed by Place of Residence and by Race, Brockton Job Insurance Center - March 1981 34

Table Of Contents
(continued)

Page

List of Tables(continued)

20. Unemployment Insurance Claims Brockton SMSA, 1980,1981.............................. 35

21. Characteristics of Applicants Registered at Job Matching Service Centers, Brockton SMSA.......... 39

22. Characteristics of Applicants Registered at Job Matching Service Centers (by Occupation) Brockton SMSA, March 1981.............................. 39

23. Employed Part-time for Economic Reasons Brockton SMSA.. 42

24. Economically Disadvantaged Persons 18 Years and Older Brockton CETA Area.................................. 43

ESARS' Tables

B07. Job Openings Received and Filled by Occupational Category and Hourly Wage Rage...................... 47

A10. Openings Received and Filled by Industrial Division and Occupational Category......................... 48

96. Applicants and Nonagricultural Job Openings by Occupation.. 50

I. Highlights and Conclusions

Between 1970 and 1980 the population of the Brockton SMSA grew from 150,416 to 169,374, a gain of 12.6 percent, making it one of the faster growing SMSA's in Massachusetts.

In 1980 annual average employment (by place of residence) in the area reached a new high of 76,242; the civilian labor force also climbed to a record high of 81,818. Unemployment increased slightly to 5,576, thus causing the unemployment rate to rise to 6.8 percent from the 6.2 percent recorded in 1979.

Projections for fiscal year 1982 show the labor force rising to 83,137 and employment remaining relatively stable at 76,486, thus resulting in an increase in unemployment to 6,651 and in the unemployment rate to 8.0 percent.

Between 1970 and 1980 total nonagricultural wage and salary employment (by place of work) in the Brockton SMSA grew from 45,500 to 57,200, a gain of 25.7 percent. All of this growth came in the nonmanufacturing sector, however, as the manufacturing share of total nonagricultural employment dropped from 30.3 percent in 1970 to 21.7 percent in 1980. Offsetting this manufacturing decline were large job gains in the nonmanufacturing area, especially in wholesale and retail trade, services and government.

II A. Definition and Description of the Area

Defintion of Brockton SMSA:

A Standard Metropolitan Statistical Area (SMSA) is a geographic area consisting of a central city of 50,000 or more inhabitants, plus contiguous cities or towns that are socially and economically integrated with the central city. The Brockton SMSA includes the City of Brockton and the Towns of Bridgewater, East Bridgewater, Halifax, West Bridgewater and Whitman, all of which are in Plymouth County, plus the Town of Easton in Bristol County, and the Town of Avon in Norfolk County. The Brockton SMSA is bounded on the north and east by the Boston SMSA and on the south and southwest by the Plymouth and Taunton Labor Market Areas.

Definition of CETA Area:

The City of Brockton is a prime sponsor under the Comprehensive Employment and Training Act (CETA). The Brockton CETA Consortium includes the Towns of Abington, Avon, Bridgewater, East Bridgewater, Easton, Hanson, Stoughton, West Bridgewater and Whitman in addition to the City of Brockton itself.

Definition of Job Matching Service Center Area:

The Division of Employment Security's Brockton Job Matching Service Center covers all the communities in the Brockton SMSA except Halifax. The Center also covers the Towns of Hanson, Holbrook, Randolph and Stoughton which are not part of the Brockton SMSA. The Town of Halifax is covered by the Taunton Job Matching Service Center.

Geographical Description:

The Brockton SMSA is located in southeastern Massachusetts with its central city about twenty miles south of Boston. The area is generally characterized by gently rolling hills, and a relatively temperate climate by New England standards. Water is supplied to the City of Brockton by Silver Lake.

Transportation:

Commercial: The Brockton area is served by Massachusetts Route 24, a limited access highway, which connects with Route 128 to the north, and will connect with Route 495 to the south when that road is completed in early 1983. The entire SMSA is within a 45 minute drive of Logan International Airport. In addition, Conrail provides railroad freight service to the area.

Commuting: Public transportation within the SMSA is provided by Brockton Area Transit (BAT), a public transportation authority, and by several private bus companies. Among these are Plymouth and Brockton Street Railway Company, W.H. Luddy and Son, Inc., Baystate Commuter Bus Lines, Hudson Bus Lines, Brander Bus Lines, Inc., and Interstate Coach. Complete details of bus routes are available in the publication Transit Directory for the Old Colony Region prepared by the Old Colony Planning Council of Brockton.

Commuter rail service to Boston is available from Stoughton, which is adjacent to Brockton, although not within the SMSA. This service is operated by the Mass. Bay Transportation Authority (MBTA) under contract with Brockton Area Transit and the Town of Stoughton. The deficit of this commuter rail service is underwritten by both federal and state funds.

II B.

ASSUMPTIONS AND PROJECTIONS FOR THE ECONOMY
COMMONWEALTH OF MASSACHUSETTS
FEDERAL FISCAL YEAR 1982 (FFY'82)

The Job Market Research staff of the Division of Employment Security gathers data; analyzes and reports on changes in the state's employment and unemployment situation. Even utilizing the most current data and computer models of the state and national economies, it is difficult to project future economic conditions. Forecasting is especially difficult during times of rapid change, such as we have been experiencing. The economic forecasts presented in this report are based on data available at the end of May, 1981.

1) Employment

Total employment in Massachusetts, reported in the Current Population Statistics (CPS) series, is expected to average 2,814,000 during FFY'82, an increase of about 30,000 from FFY'81.

Nonagricultural wage and salary jobs, reported in the Current Employment Statistics series (CES-790) is expected to average 2,731,100, an increase of 50,000 jobs from FFY'81 to FFY'82.

It is important to remember that the CPS estimates the number of people employed or unemployed based on their place of residence, whereas the CES-790 estimates the number of jobs based on employer location. Massachusetts has traditionally had a large proportion of dual job holders. Much of the job increase in services and in wholesale and retail trade will be part-time positions.

PROJECTED EMPLOYMENT BY INDUSTRY GROUP

Industry	Employment (in 000's)		
	FFY 1980 (Actual)	FFY 1981 (Projected)[1/]	FFY 1982 (Projected)
TOTAL NONAGRICULTURAL EMPLOYMENT	2642.2	2679.1	2731.1
Manufacturing - Total	675.7	669.1	681.6
Durable Goods	409.5	410.8	425.1
Nondurable Goods	266.2	258.3	256.5
Construction	74.8	74.3	81.7
Transportation, Communications and Public Utilities	122.0	124.8	125.2
Wholesale and Retail Trade	570.7	579.2	594.0
Finance, Insurance and Real Estate	157.6	162.5	165.4
Services	629.2	664.8	690.1
Government	412.3	404.3	393.1
Federal	58.5	57.5	56.0
State	97.5	98.6	96.6
Local	256.5	248.2	240.5

[1/] Projection based on actual data for seven months and estimates for five months.

2) Unemployment

We project that Massachusetts' unemployment rate will average 5.7 percent during FFY'82, down from 5.9 percent in FFY'81 and one to one-and-a-half percentage points below the national average of 6.9 percent in FFY'82.

	MASSACHUSETTS				U.S.
	Labor Force (in 000's)	Employment (in 000's)	Unemployment (in 000's)	Unemp. Rate(%)	Unemp. Rate(%)
FFY'80	2863.6	2703.3	160.3	5.6	6.8
FFY'81	2957.1	2783.8	173.3	5.9	7.4
FFY'82	2984.1	2814.0	170.1	5.7	6.9

3) Labor Turnover in Manufacturing

Due to a strengthening economy, the number of layoffs is anticipated to decline in FFY'82. On the other hand, the level of quits may also be comparatively low, reflecting in part some uncertainty among the labor force about the strength of the job market. Recalls, which are a function of prior layoffs will be low. The growth in the durable goods industries will be reflected in a stronger rate of new hires.

4) Wages and Inflation

Wages are expected to increase by 8.7 percent, down slightly from the 9.5 percent increase in FFY'81. Total Massachusetts personal income, however, is expected to rise by nearly 11.5 percent. If the proposed decrease in federal personal income taxes takes effect, total disposable income may rise by as much as 12.5 percent. For the first time in several years, the increase in personal income will be greater than the rate of inflation. The era of double-digit inflation is expected to end during FFY'82. The projected increase in the Boston Consumer Price Index (CPI) is 8.7 percent, down from the 11.4 percent in FFY'81. Massachusetts' FFY'81 and '82 rates are both below the national CPI increases for these periods.

5) Credit

Consumers wanting loans of any type; mortgage, home repair, car, or personal; will find that the supply of money will continue to be very tight, with interest rates remaining variable but high throughout FFY'82. Currently, interest rates on home mortgages are over 16 percent, on personal loans over 18 percent, and on commercial and construction loans about 20 percent, however, loans are being made at both higher and lower rates. Banks and credit unions have significantly decreased or stopped making certain kinds of loans altogether.

A major cause of the tight money situation is the shift of money from regular savings accounts, where rates are limited by law, to savings certificates, money market accounts, and treasury obligations. All interest rates are sensitive to changes in U.S. Treasury and Federal Reserve Bank Policies. The size of the Federal tax cut and of the Federal budget deficit will influence the amount and cost of credit in FFY'82. More loan money is expected to go to commercial borrowers next year rather than to those purchasing homes or cars.

There are several pieces of legislation pending before Congress which are expected to affect the level of savings, and thus the amount of credit available. Perhaps the most important is the tax cut, which will increase the amount of disposable (and potentially savable) income. Congress is also considering bills that would: 1.) free certain amounts of savings income from taxes, and 2.) gradually lift the restrictions on the amount of interest banks can pay on passbook accounts.

6) Defense Contracts

Defense contract spending is expected to increase. The dollar value of military prime contracts going to Massachusetts firms has been over five percent of the total awarded nationally for the last three years. We expect our percentage share of the awards to remain steady or increase slightly. With the proposed increase in military spending in the coming years, defense contracts in Massachusetts should provide strong support for the state's economy.

7) Energy

Energy costs are not expected to rise as rapidly during FFY'82 as they have in the recent past. From January 1979 to January 1981 the average price for a gallon of home heating oil rose 104.7 percent in Massachusetts. Continued conservation and conversion to less expensive energy sources will help to hold future prices down. The industrial mix in Massachusetts is not, relatively, energy intensive, therefore, we do not expect that rising energy costs will hurt our industrial production to the extent it may in the rest of the nation. The present world oil glut should moderate gasoline and oil prices. The unknown in the energy situation remains Mideast political conflicts.

8) Exports

Massachusetts will continue to rank among the top ten states exporting manufactured products. Our leading exports will remain high technology equipment: instruments, electronic equipment, and computers. The actual demand for these products will be influenced by the rate of economic recovery in the European Common Market countries.

Table 1
Population and Labor Force Composition Projections
Fiscal Year 1982

Brockton SMSA

Category	Population	Labor Force	Employment	Unemployment	Unemployment Rate	Labor Force Participation Rate
TOTAL	169,374	83,137	76,486	6,651	8.0	65.8
White Male	77,939	42,546	39,656	2,890	6.8	74.2
0-15	20,567	--	--	--	--	--
16-19	7,202	5,330	4,465	865	16.2	74.0
20-24	6,646	5,272	4,743	529	10.0	79.3
25-34	8,767	7,898	7,436	462	5.8	90.1
35-44	11,888	10,438	9,935	503	4.8	87.8
45-64	16,247	12,129	11,742	387	3.2	74.7
65+	6,622	1,479	1,334	145	9.8	22.3
White Female	82,289	36,699	33,782	2,917	7.9	58.8
0-15	19,873	--	--	--	--	--
16-19	7,224	6,034	5,138	896	14.8	83.5
20-24	7,259	5,119	4,765	354	6.9	70.5
25-34	10,001	6,327	5,710	617	9.8	63.3
35-44	11,361	8,208	7,861	347	4.2	72.3
45-64	16,326	9,975	9,362	613	6.1	61.1
65+	10,246	1,036	945	91	8.8	10.1
Nonwhite Male	4,547	1,774	1,439	335	18.9	56.5
0-15	1,408	--	--	--	--	--
16-19	710	227	119	108	47.6	32.0
20-24	396	210	97	113	54.0	53.0
25-34	559	434	418	16	3.7	77.6
35-44	588	461	426	35	7.6	78.4
45-64	679	377	360	17	4.5	55.5
65+	207	65	19	46	71.1	31.4
Nonwhite Female	4,600	2,118	1,610	508	24.0	62.9
0-15	1,233	--	--	--	--	--
16-19	428	303	303	0	0.0	70.8
20-24	395	330	283	47	14.3	83.5
25-34	609	409	245	164	40.0	67.2
35-44	746	542	310	232	42.7	72.7
45-64	866	501	436	65	13.1	57.9
65+	322	32	32	0	0.0	9.9

Source: Lawrence-Berkeley Laboratory - University of California

Table 2
Labor Force Composition Projected Change

1970 - 1982

Brockton SMSA

Race and Age	April 1, 1970	July 1, 1982	Change 1970 to 1982	
			Number	Percent
TOTAL	61,045	83,137	+22,092	+ 36.2
White Males	36,768	42,546	+ 5,778	+ 15.7
16-17	1,203	2,557	+ 1,354	+112.6
18-19	1,521	2,773	+ 1,252	+ 82.3
20-24	3,906	5,272	+ 1,366	+ 35.0
25-34	8,441	7,898	- 543	- 6.4
35-44	7,860	10,438	+ 2,578	+ 32.8
45-64	12,219	12,129	- 90	- 0.7
65+	1,618	1,479	- 139	- 8.6
White Females	23,182	36,699	+13,517	+ 58.3
16-17	1,113	3,302	+ 2,189	+196.7
18-19	1,473	2,732	+ 1,259	+ 85.5
20-24	3,203	5,119	+ 1,916	+ 59.8
25-34	3,586	6,327	+ 2,741	+ 76.4
35-44	4,134	8,208	+ 4,074	+ 98.5
45-64	8,603	9,975	+ 1,372	+ 15.9
65+	1,070	1,036	- 34	- 3.2
Nonwhite Males	607	1,774	+ 1,167	+192.3
16-17	19	109	+ 90	+473.7
18-19	16	118	+ 102	+637.5
20-24	87	210	+ 123	+141.4
25-34	191	434	+ 243	+127.2
35-44	122	461	+ 339	+277.9
45-64	150	377	+ 227	+151.3
65+	22	65	+ 43	+195.5
Nowhite Females	488	2,118	+ 1,630	+334.0
16-17	23	150	+ 127	+552.2
18-19	30	153	+ 123	+410.0
20-24	77	330	+ 253	+328.6
25-34	120	409	+ 289	+240.8
35-44	98	542	+ 444	+453.1
45-64	126	501	+ 627	+497.6
65+	14	32	+ 18	+128.6

Source: Lawrence -Berkeley Laboratory
University of California

Table 3
Nonagricultural Employment (in Thousands)
1970 Through 1980
Brockton SMSA

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	Net Change 1970-1980	Percent Change 1970-1980
Nonagricultural - Total	45.5	45.0	47.2	49.2	50.2	48.0	50.4	52.7	56.2	57.8	57.2	+11.7	+25.7
Manufacturing - Total	13.8	12.4	13.1	12.5	12.6	11.1	11.3	11.8	12.4	12.7	12.4	- 1.4	-10.1
Durable Goods	4.5	4.1	5.2	4.9	5.3	4.7	4.5	4.9	5.4	5.8	5.9	+ 1.4	+31.1
Nondurable Goods	9.3	8.3	7.9	7.6	7.3	6.4	6.8	6.9	7.0	6.9	6.5	- 2.8	-30.1
Nonmanufacturing - Total	31.7	32.6	34.1	36.7	37.6	36.9	39.1	40.9	43.8	45.1	44.8	+13.1	+41.3
Construction	2.0	2.0	2.1	2.3	1.9	1.6	1.5	1.7	1.6	1.6	1.6	- 0.4	-20.0
Transportation, & Public Utilities	3.4	3.6	3.9	4.1	3.8	-3.5	3.6	4.0	4.2	4.2	3.8	+ 0.4	+11.8
Wholesale & Retail Trade	11.2	11.7	12.6	13.2	14.1	13.7	14.0	14.2	14.8	15.6	15.4	+ 4.2	+37.5
Finance, Insurance and Real Estate	1.4	1.4	1.5	1.6	1.7	1.6	1.8	1.8	2.0	2.1	2.0	+ 0.6	+42.9
Services and Mining	6.1	6.3	6.7	7.3	7.5	7.5	7.7	8.2	8.7	9.3	10.1	+ 4.0	+65.6
Government	7.6	7.6	7.3	8.2	8.6	9.0	10.5	11.0	12.5	12.3	11.9	+ 4.3	+56.6

Source: Massachusetts Division of Employment Security
Current Employment Statistics

III. Employment Developments and Outlook by Industry

History

Nonagricultural wage and salary employment in the Brockton SMSA was estimated to average 57,200 during 1980, a decline of 600 jobs from 1979. Table 3 however, shows the long-term trend: nonagricultural employment grew from 45,500 in 1970 to 57,200 in 1980, an increase of 25.7 percent during the decade. All of this growth came in the nonmanufacturing area, though, as total manufacturing employment fell from 13,800 in 1970 to 12,400 in 1980, a 10.1 percent decline.

During the same time period, manufacturing dropped from 30.3 percent of total nonagricultural employment in 1970 to 21.7 percent in 1980.

Within the manufacturing sector, durable goods employment increased from 4,500 in 1970 to 5,900 in 1980 a 31.1 percent increase. Nondurable goods declined from 9,300 in 1970 to 6,500 in 1980, a 30.1 percent decline.

Total nonmanufacturing employment grew from 31,700 in 1970 to 44,800 in 1980, a 41.3 percent increase. Contributing to this nonmanufacturing growth were large gains in wholesale and retail trade (up 4,200 jobs or 37.5 percent), services (up 4,000 jobs or 65.6 percent) and government (up 4,300 jobs or 56.6 percent). More modest gains of 400 jobs in transportation and public utilities, and 600 jobs in finance, insurance and real estate were also recorded. The only nonmanufacturing area to show a decline was construction in which employment fell from 2,000 in 1970 to 1,600 in 1980, a loss of 400 jobs representing a 20 percent decline.

Table 5 entitled "Industrial Growth and Decline" shows the industries that gained the most jobs between 1975 and 1980, both in abosolute numbers and in percentages. Leading the list of job gainers were government and services. Also gaining substantially were wholesale and retail trade and durable goods manufacturing. Registering small gains of 300 to 400 jobs over the five year period were finance, insurance and real estate, and transportation and public utilities. The nondurable goods manufacturing sector gained a mere 100 jobs during this period, while construction showed no change. Since 1975 was a recession year with substantial unemployment throughout Massachusetts, those industries which gained few or no jobs since 1975 would have shown actual losses if compared with an earlier year.

Table 4
Nonagricultural Wage and Salary Employment By Major Industries and Groups Projection Through Fiscal Years 1981 and 1982 Brockton SMSA

	Fiscal Year 1979 Average	Fiscal Year 1980 Average	Fiscal Year 1981 Projection	Fiscal Year 1982 Projection
Nonagricultural Total*	57.4	57.3	57.2	57.1
Manufacturing Total	12.7	12.4	12.3	12.2
Durable Goods	5.8	5.8	6.1	6.4
Nondurable Goods	6.9	6.6	6.2	5.8
Nonmanufacturing Total	44.7	44.9	44.9	44.9
Construction	1.6	1.6	1.5	1.2
Transportation and Public Utilities	4.2	3.9	3.8	3.8
Wholesale and Retail Trade	15.5	15.5	15.5	15.6
Finance, Insurance and Real Estate	2.0	2.0	2.0	2.0
Services and Mining	9.1	10.0	10.5	11.0
Government	12.3	11.9	11.6	11.3

* In thousands

Outlook For Fiscal Year 1982

Total nonagricultural employment can be expected to decline slightly to an annual average of about 57,100 during fiscal year 1982 in the Brockton SMSA, as unemployment increases locally and approaches the national rate. Most of the job losses will be within the manufacturing sector, and more specifically in nondurable goods.

Within the nondurable goods sector, the leather and leather products industry has remained relatively stable recently after suffering major job losses in the early 1970's. It is still the largest manufacturing industry in the Brockton area, although it no longer dominates the local labor market the way it once did. The second largest industry in this sector is apparel and other finished products, which has experienced some job gains in recent years. Both of these industries can be expected to suffer some employment losses in fiscal year 1982 as a result of competition from foreign imports. Textile mill products lost its major local manufacturer, Garland Corporation, during 1980 and is no longer an important industry in the Brockton area.

Job gains in the durable goods area will partially, but not completely offset the losses in nondurable goods. Several industries within the durable goods sector showed gains of over 100 jobs each during the 1974 to 1979 period. These included lumber and wood products, primary metal industries, fabricated metal products and instruments and related products. The instruments industry has, in fact, been the fastest growing manufacturing industry in the Brockton SMSA in recent years. It can be expected to continue this growth but at a more moderate pace. The other durable goods industries mentioned above should also continue their slower expansion during fiscal year 1982.

Within the nonmanufacturing sector, total employment will probably remain relatively stable at about 44,900 in fiscal year 1982. The construction industry will suffer further job losses as continuing high interest rates batter the housing market. Also suffering job losses will be government as the combined effects of Proposition 2½ and federal budget cuts cause employment cutbacks at all government levels - federal, state, and local. These losses, however, will be offset by job gains in the services, especially health services, which is the largest single industry group in the Brockton SMSA. Health services should continue its substantial growth, while wholesale and retail trade can be expected to register smaller gains. Transportation and public utilities and finance, insurance and real estate will probably show little or no change in employment levels. Table 4 provides projections of employment by industry for fiscal year 1982.

Table 5
Industrial Growth and Decline: Change In
Annual Averages Between 1975 and 1980
Nonagricultural Wage and Salary Employment
Brockton SMSA

Industry	Rank	Net Change
Government	1	+2900
Services and Mining	2	+2600
Wholesale and Retail Trade	3	+1700
Durable Goods Manufacturing	4	+1200
Finance, Insurance & Real Estate	5	+ 400
Transportation & Public Utilities	6	+ 300
Nondurable Goods Manufacturing	7	+ 100
Construction	8	0

Industry	Rank	Percent Change
Services and Mining	1	+34.7
Government	2	+32.2
Durable Goods Manufacturing	3	+25.5
Finance, Insurance & Real Estate	4	+25.0
Wholesale and Retail Trade	5	+12.4
Transportation & Public Utilities	6	+ 8.6
Nondurable Goods Manufacturing	7	+ 1.6
Construction	8	0.0

Source: Mass. Div. Employment Security
Current Employment Statistics

Table 6
Percent Share of Nonagricultural Employment
Brockton SMSA

	1978	1979	1980
Nonagricultural - Total	100.0	100.0	100.0
Manufacturing - Total	22.1	22.0	21.7
Durable Goods	9.6	10.0	10.3
Nondurable Goods	12.5	12.0	11.4
Nonmanufacturing - Total	77.9	78.0	78.3
Construction	2.8	2.8	2.8
Transportation and Public Utilities	7.5	7.2	6.6
Wholesale and Retail Trade	26.3	27.0	26.9
Finance, Insurance and Real Estate	3.6	3.6	3.5
Services and Mining	15.5	16.1	17.7
Government	22.2	21.3	20.8

Source: Massachusetts Division of Employment Security
Current Employment Statistics

Table 7
Manufacturing As Percentage of Nonagricultural Employment
Brockton SMSA
1970,1980

	1970	1980
Nonagricultural Total	45,500	57,200
Manufacturing Total	13,800	12,400
Manufacturing Percent	30.3	21.7

Source: Massachusetts Division of
Employment Security

Current Employment Statistics

Table 8
UI Covered Employment - By Industry
Brockton Job Matching Service Area
Brockton CETA Consortium - 1979 1/

	Employment Total	Agriculture Fishing Forestry	Mining	Contract Construction	Manufacturing	Transp. Comm. Utilities	Wholesale Retail Trade	Finance Insurance Real Estate	Services
TOTALS FOR JOB MATCH AREA	63803	443	29	2676	18213	4899	22410	2639	12494
Abington	2198	65	0	88	547	295	721	147	335
Avon	2706	0	0	277	1051	454	783	27	114
Bridgewater	2013	77	0	74	1004	31	614	113	100
Brockton	30061	70	29	733	6819	3119	10711	1448	7132
East Bridgewater	2696	31	0	57	1579	149	667	13	200
Easton	2480	6	0	231	478	22	710	198	840
Hanson	779	36	0	69	133	1	372	62	106
Holbrook 2/	2070	16	0	127	639	48	968	53	219
Randolph 2/	6959	13	0	282	2362	130	2782	201	1189
Stoughton	6830	70	0	494	1930	227	1919	234	1956
West Bridgewater	2239	49	0	67	671	49	1304	21	78
Whitman	2767	10	0	177	1000	374	859	122	225
Totals for CETA Areas	54774	414	29	2267	15212	4721	18660	2385	11086

1/ Excludes government employment

2/ Holbrook and Randolph are not part of CETA Consortium

Source: Mass. Division of Employment Security
Occupation/Industry Research Department
Employment and Wages, Cities and Towns, 1967-1979

Table 9
Earnings of Production Workers by Industry*
Brockton SMSA

Industry	Production Workers	Percent Of Workers In Industry	Average Weekly Wages		
			3-81	2-81	3-80
Manufacturing Total	9,700	77.6	$223.76	$217.17	$196.32
Durable Goods	4,900	80.3	237.80	235.65	210.79
Nondurable Goods	4,800	75.0	209.33	197.78	182.87

* Subject to Revision

Source: Massachusetts Division of Employment Security
Current Employment Statistics

Job Placement Data by Industry

Table A10 in the appendix entitled "Openings Received and Filled by Industrial Division and Occupational Category" is reproduced from Employment Security Automated Reporting System (ESARS) tables and shows job openings received and filled by Division of Employment Security offices in the Brockton SMSA. These openings, which were listed between October 1, 1980 and March 31, 1981 are broken down by industrial division and occupational category.

As can be seen from the table, a total of 2,200 jobs was received during the period; of these 1,248 were filled by the Division for an overall fill rate of 56.7 percent. The largest numbers of openings were received from wholesale and retail trade, services, manufacturing and public administration. (Column M, government repeats openings listed in one of the other industries). Few job openings were received from agriculture, forestry and fishing, mining, construction, or finance, insurance and real estate. Thus, job openings received by the Division were generally representative of the industrial composition of the Brockton area.

Economic Development Incentives: MIFA

The Massachusetts Industrial Finance Agency is an independent public agency designed to stimulate economic growth and increased employment in Massachusetts. It offers incentive programs such as low interest bonds, tax-exempt financing and loan guarantees. Its commercial program is designed specifically to help rebuild downtown areas. A list of industrial revenue bonds underwritten by MIFA in the Brockton SMSA during 1980 is contained in Table 10.

Table 10
Firms Receiving Massachusetts Industrial Finance Agency Bonds (MIFA)
1980
Brockton SMSA

Company	Location	Estimated No. of Jobs Created
Paramount Devel. Assoc./ Perini Corporation	Easton	--
Mupac Corp.	Brockton	12
Baynes Electrical Supply Co., Inc.	Brockton	9
Beverage Company/ B.J. Reb Co., Inc.	Brockton	20
Weiss Sheet Metal	Avon	8
Massachusetts Engineering Company, Inc.	Avon	5

Source: Massachusetts Industrial Finance Agency

IV. Employment Developments and Outlook by Occupation

Table 96 in the appendix, entitled "Applicants and Nonagricultural Job Openings by Occupation" is reproduced from Employment Security Automated Reporting System (ESARS) tables for the Brockton SMSA and gives details on applicants and job openings during the period from October 1, 1980 through March 31, 1981. Both applicants and job openings are grouped by Dictionary of Occupational Titles (DOT) Codes. Column D lists the total number of applicants from the active file by occupational category based on the first digit of the DOT code. Thus, of the total 5,079 applicants in the active file as of March 31, 1981, the largest numbers were in categories 2 (clerical and sales) and 9 (miscellaneous occupations). Some categories are futher broken down: for example, category 2 is divided into clerical occupations (200-249) and sales occupations (250-299). The largest numbers of openings received (column K) were in categories 2, 3, (service occupations) and 9. Some categories had very few applicants; for instance, category 4 (agriculture,fishery, forestry) had only 36 active applicants, and category 5 (processing occupations) had only 72. This table also divides the active file into special applicant groups, such as females, veterans, youth, older workers, minorities, and the economically disadvantaged.

Comparison of this table with data from March 1980 shows that the total number of active applicants was only one percent higher this year than last, while the number of unfilled job openings was almost 21 percent higher. The ratio of total applicants to unfilled job openings dropped from 9.5-1 in March 1980 to 8-1 in March 1981, a slightly more favorable ratio from the job seeker's point of view. The largest increases in active applicants were in the categories of clerical and sales and miscellaneous occupations. The largest increases in unfilled job openings were in the services and miscellaneous occupations. Also showing a substantial increase was the category of agriculture, forestry and fishing. This increase may have been caused by the earlier listing of agricultural jobs due to milder early spring weather.

The ratio of active applicants to unfilled job openings within the professional, technical and managerial category rose from 10-1 in March 1980 to 15-1 in March 1981. At the same time the ratio in the services fell from 10-1 in March 1980 to 5-1 in March 1981. These changes reflected increased competition for the higher paying jobs in the professional category and lesser competition for the lower paying jobs in the service sector.

Table 11 "High Net Demand Occupations" shows the ten occupations which had the lowest ratio of active applicants to unfilled job openings in the Brockton SMSA as of March 31, 1981, according to ESARS Tables. Table 12 "Applicant Surplus Occupations" shows the occupations which had the highest ratio. These tables will be analyzed in detail in the section of this report entitled "Labor Supply-Demand Imbalances".

Reproduced in the appendix are two additional ESARS tables which are related to employment developments by occupation. These are Table A10 "Openings Received and Filled by Industrial Division and Occupational Category", which was discussed in the section of this report dealing with industrial developments, and table B07 "Job Openings Received and Filled by Occupational Category and Hourly Wage Rate". This shows the highest paying job openings received (excluding the category "other" which represented only 5 job openings) were in the categories of professional, technical and managerial ($5.72 per hour), and in packaging and material handling $5.10 per hour). The lowest paying jobs received were in sales ($3.33), domestic sercice ($3.40), and other services ($3.57). The overall average wage for all job openings received was $4.13 per hour. As might be expected the average wage for openings filled was slightly higher, $4.22 per hour.

The publication "Employment Requirements by Occupation, by Industry 1976-1985", prepared by the Occupation/Industry Research Department of the Massachusetts Division of Employment Security projects statewide demand for various occupations through 1985. The authors of this report predict the largest employment increases during this period will be in clerical workers, service workers and professional technical and kindred workers. These are also the occupational categories that have shown the greatest increases in the Brockton SMSA. Most of the occupations listed on Table 11, "High Net Demand Occupations", come from these occupational categories.

Among professional workers, the medical worker group is expected to have the largest number of new jobs, over 1800 annually statewide. Registered nurses will account for over 50 percent of employment growth and more than 60 percent of all job openings among medical workers. In the Brockton SMSA during the first six months of the current fiscal year registered nurses accounted for 42 percent of all medical jobs (excluding medical technicians and technologists) listed with DES offices; licensed practical nurses accounted for 25 percent; and medical and dental assistants accounted for 17 percent each.

Clerical workers already are the largest occupational category in Massachusetts and will continue to grow rapidly. By 1985 clerical workers should account for 20.2 percent of all jobs in the state. Typists and secretaries are expected to be the fastest growing occupations within the clerical area. As can be seen from ESARS Table 96 in the appendix, clerical jobs accounted for 517 of the total 2,193 nonagricultural job openings received during the first half of fiscal year 1981 in the Brockton SMSA. This represented 23.6 percent of all such jobs listed during the period.

Service workers will rank second to clerical workers as the fastest growing occupational category in Mass. Service employment is expected to grow from 14.0 to 14.4 percent of total employment in the state by 1985. Rising demand for medical and hospital care and expansion in the number of eating and drinking establishments will generate an increased need for service workers in these industries. In the Brockton SMSA service workers accounted for 416 or 19.0 percent of the 2,193 nonagricultural job openings listed during the first two quarters of fiscal 1981. The largest number of service jobs listed were for lunch counter attendants, kitchen helpers, psychiatric aides, nurse aides, security guards, merchant patrollers and janitors.

Another useful publication relating to occupational outlook is "High Demand Occupations in Massachusetts, 1981" published by the Commonwealth of Mass., Executive Office of Economic Affairs and other state agencies. This lists fifty occupations considered by the authors to be in high demand in Massachusetts, and gives a narrative about each.

Table 11
High Net Demand Occupations
Brockton SMSA
March 31, 1981

Occupations	Active Applicants	Unfilled Openings	Ratio Of Active Applicants to Unfilled Openings (Rounded)
Clerk-Typist	64	58	1-1
Administrative Clerk	86	51	1.5-1
Sales Agent, Insurance	4	23	1-6
Merchant Patroller	10	18	1-2
Stitcher, Standard Machine (Boot and Shoe)	2	13	1-6
Nurse, General Duty	6	10	1-2
Checker (clerical)	1	4	1-4
Nurse, Licensed Practical	6	3	2-1
Medical Laboratory Technician	4	2	2-1
Machine Set-up Operator	4	2	2-1

Source: Massachusetts Division Employment Security

ESARS Table 96, SMSA 1200 - 3/31/81

Table 12
Applicant Surplus Occupations
Brockton SMSA
March 31, 1981

Occupation	Active Applicants	Unfilled Openings	Ratio Of Active Applicants to Unfilled Openings
Packager, Hand	85	0	85-0
Truck Driver, Heavy	76	1	76-1
Material Handler	65	1	65-1
Bookkeeper	58	0	58-1
Legal Secretary	51	0	51-0
Construction Worker	50	1	50-1
Tractor Trailer Truck Driver	48	0	48-0
Kitchen Helper	40	0	40-0
Automobile Mechanic	39	0	39-0
Truck Driver, Light	37	0	37-0

Source: Massachusetts Division Employment Security
ESARS Table 96
SMSA 1200 - 3/31/81

Table 13 Occupations of Employed Persons, by Sex and Minority Status, (Percent Distribution)
Area : Brockton SMSA
Year : 1979

Occupational Category and Group	BOTH SEXES					FEMALE				
	Total	White	Black	Other Races	Hispanic	Total	White	Black	Other Races	Hispanic
ALL OCCUPATIONS BY PERCENT	100.0	98.3	1.4	0.3	1.7	100.0	98.1	1.4	0.5	1.6
PROFESSIONAL, TECHNICAL AND RELATED	100.0	98.1	1.5	0.4	0.9	100.0	97.9	1.5	0.6	0.0
Engineers, Technical	100.0	98.3	0.7	1.0	NA	NA	NA	NA	NA	NA
Physicians, Dentists and Related	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Medical and Health Exc. Practs.	100.0	97.8	2.2	0.0	NA	100.0	98.6	1.4	0.0	0.0
Teachers, Elementary and Secondary	100.0	97.7	1.5	0.8	NA	100.0	97.0	1.7	1.3	0.0
Other Professional Workers	100.0	98.3	1.5	0.2	NA	100.0	98.1	1.3	0.6	0.0
TECHNICIANS, EXCEPT HEALTH	100.0	99.5	0.0	0.5	NA	100.0	83.3	1.9	14.8	0.0
MANAGERS EXCEPT FARM	100.0	98.7	0.9	0.4	1.0	100.0	98.3	1.7	0.0	0.0
SALES WORKERS	100.0	99.6	0.3	0.1	1.1	100.0	99.8	0.2	0.0	2.8
Retail Stores	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Sales Workers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CLERICAL	100.0	98.2	1.4	0.4	1.2	100.0	98.2	1.2	0.6	0.9
Secretaries, Stenos and Typists	100.0	98.0	0.9	1.1	1.0	100.0	98.0	0.7	1.3	1.0
Other Clericals	100.0	98.2	1.6	0.2	1.2	100.0	98.3	1.5	0.2	0.9
CRAFTSMEN AND KINDRED WORKERS	100.0	99.1	0.8	0.1	1.7	100.0	97.4	2.6	0.0	1.5
Automobile and Body Repairmen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mechanics and Repairmen Exc. Auto	100.0	98.9	0.9	0.2	2.5	NA	NA	NA	NA	NA
Machinists	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metal Craftsmen Exc. Mach.	100.0	99.3	0.4	0.3	6.2	NA	NA	NA	NA	NA
Carpenters	100.0	99.3	0.6	0.1	0.0	NA	NA	NA	NA	NA
Construction Exc. Carpenters	100.0	99.3	0.7	0.0	1.9	NA	NA	NA	NA	NA
Other Craftsmen	100.0	99.1	0.8	0.1	0.4	NA	NA	NA	NA	NA
OPERATIVES, EXC. TRANSPORTATION	100.0	96.7	2.7	0.6	3.6	100.0	97.0	2.2	0.8	4.2
Durable Goods Manufacturing	100.0	96.9	2.3	0.8	0.7	100.0	96.7	2.2	1.1	0.0
Nondurable Goods Manufacturing	100.0	96.9	2.6	0.5	3.8	100.0	97.7	1.5	0.8	5.7
Nonmanufacturing Industries	100.0	96.0	3.6	0.4	6.8	100.0	94.4	5.6	0.0	6.6
TRANSPORT OPERATIVES	100.0	98.0	1.9	0.1	0.7	100.0	100.0	0.0	0.0	4.9
Truck Drivers	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Transport, Operatives	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LABORERS NONFARM	100.0	96.5	3.3	0.2	5.2	100.0	97.6	2.4	0.0	1.8
SERVICE WORKERS EXC. PRIV. HOUSEHOLD	100.0	98.6	1.1	0.3	1.5	100.0	98.8	1.0	0.2	0.8
Cleaning Service	100.0	99.5	0.5	0.0	0.0	100.0	100.0	0.0	0.0	3.6
Food Service	100.0	99.0	0.4	0.6	0.0	100.0	99.6	0.0	0.4	0.2
Health Service	100.0	95.9	4.1	0.0	7.3	100.0	96.9	3.1	0.0	0.4
Protective Service	100.0	99.2	0.8	0.0	0.0	100.0	100.0	0.0	0.0	8.2
Other Service Workers	100.0	99.6	0.4	0.0	1.9	100.0	99.6	0.4	0.0	1.9
PRIVATE HOUSEHOLD WORKERS	100.0	96.8	3.2	NA	NA	100.0	97.1	2.9	0.0	4.9
AGRICULTURAL WORKERS	100.0	98.5	1.5	NA	NA	100.0	98.6	1.4	0.0	22.5

Source: Summary Manpower Indicators, Lawrence-Berkeley Laboratory
The Decennial Census of Population, 1970

V. Recent Unemployment Trends and Projections

Table 14 shows annual average employment statistics for the Brockton SMSA from 1975 through 1980, and also monthly data for 1980. The unemployment rate declined steadily from a high of 11.7 percent in the recession year 1975 to a low of 6.2 percent in 1979, then rose to 6.8 percent in 1980. This pattern was similar to that of Massachusetts as a whole (shown in Table 15), where the rate fell from 11.2 percent in 1975 to 5.5 percent in 1979, then rose to 5.6 percent in 1980. The statewide unemployment rate was generally about one half of a percentage point to one point lower than the Brockton SMSA rate during each of these years. It will also be noted that the state rate rose much less sharply in 1980 than did the Brockton area rate.

Among the major labor market areas in Massachusetts, Brockton had the third highest annual average unemployment rate in 1980; only the New Bedford and Fall River labor areas, both also in southeastern Massachusetts, had higher unemployment rates than Brockton's. In 1979 the Brockton SMSA had been fourth highest in unemployment among the major labor areas in the state.

Table 16 shows annual average employment statistics for 1980 by city and town for all communities within the Brockton CETA area and the Brockton Job Matching Center area. The unemployment rates ranged from a high of 7.9 percent in the city of Brockton to a low of 3.7 percent in the town of Whitman.

Tables 17, 18 and 19 give racial and ethnic data by city or town for claimants filing for unemployment insurance within the Brockton SMSA, the Brockton CETA Consortium and the Brockton Job Insurance Center area during the month of March 1981. The city of Brockton, by far the largest city in the area, not only provided the largest number of claimants, but also was the only community having significant numbers of minority group members filing claims.

Labor Turnover Data

A study of labor turnover rates in manufacturing in the Brockton SMSA for January, 1981, shows that accessions (defined as all permanent or temporary additions, whether new or former employees) were lower than the same month one year earlier. This was caused primarily by a decline in the rate of new hires, especially in the durable goods sector, which has been the growing portion of manufacturing in the Brockton area in recent years. While total accessions were only slightly lower, the rate of new hires was down 24.2 percent, and new hires in the durable goods sector were 33.3 percent lower than the January 1980 level.

Recalls rose somewhat, and the number of voluntary quits dropped from the earlier period. The number of layoffs increased substantially in January 1981, especially in the durable goods sector, in which layoffs rose from 0.5 per hundred employees to 3.2 per hundred, a 540 percent increase. Most of these changes were in line with the rising unemployment rate, which climbed from 7.7 percent in January 1980 to 8.1 percent in January 1981.

Table 14
Employment Statistics 1975-1980
Brockton SMSA

	Labor Force	Employment	Unemployment	Unemployment Rate
1975	73,250	64,698	8,552	11.7
1976	75,612	67,795	7,817	10.3
1977	79,002	71,773	7,229	9.2
1978	78,722	73,580	5,142	6.5
1979	80,499	75,494	5,005	6.2
1980				
January	77,086	71,183	5,903	7.7
February	79,896	74,465	5,431	6.8
March	80,448	75,395	5,053	6.3
April	80,224	75,298	4,926	6.1
May	81,638	75,594	6,044	7.4
June	82,428	75,430	6,998	8.5
July	82,083	76,151	5,932	7.2
August	82,952	76,885	6,067	7.3
September	82,808	76,738	6,070	7.3
October	84,323	78,620	5,703	6.8
November	83,822	79,267	4,555	5.4
December	84,110	79,875	4,235	5.0
1980 Annual Average	81,818	76,242	5,576	6.8

Source: Massachusetts Division of Employment Security: Local Area Unemployment Statistics - Prepared May, 1981

Table 15
Employment Statistics 1975-1980
Commonwealth of Massachusetts

	Labor Force	Employment	Unemployment	Unemployment Rate
1975	2,712,000	2,410,000	302,000	11.2
1976	2,742,000	2,481,000	261,000	9.5
1977	2,771,000	2,547,000	225,000	8.1
1978	2,835,000	2,662,000	173,000	6.1
1979	2,891,000	2,731,000	160,000	5.5
1980	2,893,000	2,731,000	163,000	5.6

Source: Massachusetts Division of Employment Security

Table 16
Labor Force Statistics by Cities and Towns, Brockton Job Matching Center Area, and Brockton CETA Area
1980 Annual Averages

Geographical Area	Labor Force	Employment	Unemployment	Unemployment Rate
Totals For Job Match Areas	118,190	110,656	7,534	6.4
Abington	5,593	5,383	210	3.8
Avon	2,901	2,719	182	6.3
Bridgewater	6,066	5,633	433	7.1
Brockton	49,609	45,707	3,902	7.9
East Bridgewater	4,494	4,230	264	5.9
Easton	6,416	6,122	294	4.6
Hanson	3,173	2,959	214	6.7
Holbrook*	5,502	5,075	427	7.8
Randolph*	12,604	12,124	480	3.8
Stoughton	11,069	10,364	705	6.4
West Bridgewater	3,780	3,616	164	4.3
Whitman	6,983	6,724	259	3.7
Totals For CETA Area	100,084	93,457	6,627	6.6

* Holbrook and Randolph are not part of CETA Area

Source: Massachusetts Division of Employment Security
Local Area Unemployment Statistics
Prepared May 1981

Table 17
Characteristics of Insured Unemployed
By Place of Residence
and
By Race
Brockton SMSA
March 1981

	Total	White	Nonwhite	Spanish Surname	Other	Not Coded
TOTALS	2,373	2,251	74	25	21	2
Avon	96	95	0	0	1	0
Bridgewater	223	218	2	2	1	0
Brockton	1,449	1,347	67	22	11	2
East Bridgewater	117	115	0	0	2	0
Easton	144	140	1	1	2	0
Halifax	91	90	0	0	1	0
West Bridgewater	78	77	1	0	0	0
Whitman	175	169	3	0	3	0

Source: Massachusetts Division of Employment Security
LAUS Research Project Report
March 1981

Table 18
Characteristics of Insured Unemployed
By Place of Residence and By Race
Brockton CETA Consortium
March 1981

	Total	White	Nonwhite	Spanish Surname	Other	Not Coded
TOTALS	2,875	2,744	80	26	23	2
Brockton	1,449	1,347	67	22	11	2
Abington	169	168	0	1	0	0
Avon	96	95	0	0	1	0
Bridgewater	223	218	2	2	1	0
East Bridgewater	117	115	0	0	2	0
Easton	144	140	1	1	2	0
Hanson	93	91	1	0	1	0
Stoughton	331	324	5	0	2	0
West Bridgewater	78	77	1	0	0	0
Whitman	175	169	3	0	3	0

Source: Massachusetts Division of Employment Security - LAUS Research Project Report - March 1981

Table 19
Characteristics of Insured Unemployed By Place of Residence and By Race Brockton Job Insurance Center* March 1981

	Total	White	Nonwhite	Spanish Surname	Other	Not Coded
TOTALS	3,762	3,608	94	27	27	6
Abington	169	168	0	1	0	0
Avon	96	95	0	0	1	0
Bridgewater	223	218	2	2	1	0
Brockton	1,449	1,347	67	22	11	2
East Bridgewater	117	115	0	0	2	0
Easton	144	140	1	1	2	0
Halifax	91	90	0	0	1	0
Hanover	78	77	0	1	0	0
Hanson	93	91	1	0	1	0
Holbrook	142	138	4	0	0	0
Randolph	362	351	6	0	2	3
Rockland	214	208	4	0	1	1
Stoughton	331	324	5	0	2	0
West Bridgewater	78	77	1	0	0	0
Whitman	175	169	3	0	3	0

Source: Massachusetts Division of Employment Security-LAUS Research Project Report - March 1981

* Office No. 36

Table 20
Unemployment Insurance Claims
Brockton SMSA
1980,1981

	Initial Claims1/	Continued Weeks Claimed 2/
1980		
January	290	2516
February	445	2479
March	201	2508
April	366	2325
May	420	2292
June	319	2413
July	311	2589
August	232	2455
September	203	2008
October	178	1882
November	251	2048
December	422	2257
1981		
January	338	3008
February	360	2859
March	229	2673
April	358	2244
May	214	2097
June	289	2156

1/ Initial claims filed during reference week.
2/ Continued weeks claimed during reference week less partial claims.

Source: Mass. Division of Employment Security

VI. Labor Supply-Demand Imbalances

Among professional, technical, and managerial workers significant labor shortages will exist in some occupational groups while surpluses will exist in others. Engineers will be in very high demand, especially electrical engineers. Electrical and electronic technicians.will also be in great demand, as will computer programmers, system analysts and computer technicians. Shortages will also continue for health care professionals, especially registered nurses. Many professional, managerial and technical workers living in the Brockton area will continue commuting into the Boston SMSA where job opportunities tend to be both more numerous and also often higher paying.

The most serious labor surplus in the professional area will continue to be among teachers. The combined effects of declining school enrollments and Proposition $2\frac{1}{2}$ will exacerbate the already severe teacher surplus.

Clerical workers represent the largest and fastest growing worker group in Mass. However the demand for clerical workers greatly exceeds the supply. Demand is especially great for highly skilled secretaries and typists.

Among blue collar workers, machinists will be in great demand, while construction workers and other building trades persons will be in surplus due to the construction slump. Demand will also be slow for truck drivers. Among service workers, where shortages do exist, they will usually be a result of low wages or undesirable working hours, rather than any scarcity of workers with the requisite skills.

The discussion of labor supply-demand imbalances that follows is based on Employment Security Automated Reporting System (ESARS) data for the Brockton SMSA. This data is based entirely on applicants and job openings listed with offices of the Division of Employment Security. Since many applicants and job openings are not registered with these offices, this analysis is representative of only a portion of the job market.

ESARS tables showed 5,079 active applicants and 636 unfilled job openings on file in DES offices in the Brockton SMSA as of March 31, 1981. This represents a ratio of almost eight applicants to each unfilled job opening.

Table 22 "Characteristics of Applicants Registered at Job Matching Service Centers, Brockton SMSA, March 1981" shows the ratio of active applicants to unfilled job openings for selected occupations. A ratio of ten or more active applicants to each unfilled job opening would generally indicate an applicant surplus occupation. A ratio of three or fewer active applicants to each unfilled opening would denote an applicant shortage (or high net demand) occupation. It will be noted that among the specific occupations on this table only two, clerk typists and administrative clerks, would be considered high net demand occupations. All other occupations listed show high applicant-to-opening ratios. It will also be noted that two occupations, secretary and machinist, generally regarded as having applicant shortages statewide, show high ratios indicating an applicant surplus in the Brockton area. However, since interviewers in DES Job Matching Service offices generally classify office worker openings as for clerks unless they require shorthand (in accordance with the Dictionary of Occupational Titles' definition of secretary which reads in part "...takes dictation in shorthand or by machine..."), many of the openings listed under the title administrative clerk may, in fact, be thought of by both employer and employee as secretarial jobs. It might also be true that some of the applicants classified as machinist may not be fully qualified as such, and might more properly have been coded as machine operators.

Tablell entitled "High Net Demand Occupations" lists the ten occupations which had the lowest ratio of active applicants to unfilled openings in DES offices in the Brockton SMSA as of March 31, 1981. The two previously mentioned clerical occupations, clerk typist and administrative clerk, head this list. This is in line with the situation throughout Massachusetts where skilled clerical workers, especially typists, are in very great demand. Also several health service occupations are listed, viz; general duty nurse, licensed practical nurse, and medical laboratory technician. These health service occupations, especially nurses, are also in great demand throughout Massachusetts. Machine set-up operator, another occupation on this list, is also representative of a statewide high demand for skilled machine trades workers.

Some of the occupations listed, however, may represent a purely local situation. Standard machine stitchers (boot and shoe), for instance, is an example of the importance that the footwear industry still has in the Brockton area. The other occupations on the list, insurance sales agent, merchant patroller, and checker (clerical), may be there more because of an unwillingness on the part of applicants to accept the job than any shortage of applicants with the necessary training or skills.

At the opposite end of the spectrum are the "Applicant Surplus Occupations" shown in Table 12 . These are the ten occupations with the highest ratio of active applicants to unfilled openings. Most of these are unskilled or semi-skilled blue collar jobs, e.g., packager, material handler, construction worker, kitchen helper and various kinds of truck drivers. Others on the list such as bookkeeper, legal secretary, and automobile mechanic may not be so easily explained. It may be that much of the work of the bookkeeper is now being done by computer, even in smaller firms. A competent legal secretary probably can do the work of most other secretarial jobs, and thus should not have great difficulty in finding a job as a nonlegal secretary; and many of the unemployed automobile mechanics may be only marginally skilled and/or experienced at their trade.

An irony in the labor supply-demand imbalance in the Brockton SMSA is that Southeast Massachusetts has experienced a net increase in population between 1970 and 1980. However, commercial and industrial expansion has centered in the geographic area between Routes 128 and 495, the Lowell Labor Market Area and the Marlboro Labor Market Area. There is an imbalance between workers by place of residence (labor force) (81,818) and workers by place of employment (workforce) (57,200).

Table 21
Characteristics of Applicants Registered At Job Matching Service Centers Brockton SMSA

	Total Active Applicants	Female	Econom. Disadv.	Veteran	Minority	Age Breakdown		Handicapped
						Under 22	Over 45	
Brockton SMSA	5,745	2,495	1,506	986	523	1,546	808	281
Brockton JMS Center	4,972	1,911	736	943	423	1,463	703	247

Source: Massachusetts Division of Employment Security ESARS, Table 06, March 1981

Table 22
Characteristics of Applicants Registered At Job Matching Service Centers Brockton SMSA March 1981

Occupational Code, Category and Occupational Title	Total Applicants FY 1981	Total Active Applicants	Unfilled Job Openings	Ratio Of Active Applicants to Unfilled Job Openings
0-1 Professional, Technical and Managerial	1,336	521	35	15-1
Teachers, Secondary School	40	11	0	11-0
Teachers, Elem. School	48	11	0	11-0
2 Clerical and Sales	2,831	1,210	193	6-1
Secretary	145	67	4	17-1
Clerk-Typist	121	64	58	1.1-1
Clerk, General	316	143	24	6-1
Administrative Clerk	241	86	51	1.7-1
3 Services	1,581	774	150	5-1
Counter Attendant	87	23	3	8-1
Nurse Aide	225	116	12	10-1
Janitor	76	33	1	33-1

Table 22
Characteristics of Applicants Registered At Job Matching Service Centers
Brockton SMSA
March 1981
(continued)

Occupational Code, Category and Occupational Title	Total Applicants FY 1981	Total Active Applicants	Unfilled Job Openings	Ratio of Active Applicants to Unfilled Job Openings
4 Agriculture, Fishery, Forestry	76	36	62	1-1.7
5 Processing	153	72	2	36-1
6 Machine Trades	802	364	32	11-1
Machinist	49	30	0	30-0
Automobile Mechanic	92	39	0	39-0
7 Bench Work	642	320	41	8-1
Electronics Assembler	41	18	0	18-0
Sewing Machine Operator	54	34	3	11-1
8 Structural Work	1,169	551	29	19-1
Painter	50	25	0	25-0
Carpenter	102	34	0	34-0
Construction Worker	99	50	1	50-1
Maintenance Repairer, Building	72	27	1	27-1
9 Miscellaneous Occupations	2,352	1,021	91	11-1
Tractor-Trailer-Truck Driver	86	48	0	48-0
Truck Driver, Heavy	143	76	1	76-1
Truck Driver, Light	93	37	0	37-0
Bus Driver	90	20	0	20-0
Packager, Hand	144	85	0	85-0
Material Handler	160	65	1	65-1

Source: Massachusetts Division of Employment Security
ESARS Table 96, March 1981

VII. Individuals in Need of Employment Service

Projections indicate that in the Brockton CETA area there are 16,934 economically disadvantaged individuals. (See Table 24). Of these, 15,314 or 90.4 percent are white, 921 are black, 699 "other" and 548 are Spanish surnamed. An economically disadvantaged person is one who is a member of a family receiving or eligible to receive public assistance, or a member of a family whose income does not exceed the poverty level or whose income does not exceed 70 percent of the lower living standard.

Tables 17, 18, and 19 give racial and ethnic characteristics by cities and towns for persons who filed initial or continued claims for unemployment insurance in the month of March 1981 in the Brockton CETA area, the Boston SMSA and the Brockton Job Insurance Center area.

Groups of Statutory Significance

Groups of statutory significance within the population include veterans, women, minorities, youth, the handicapped and AFDC recipients. Table 21 shows the numbers in each of these groups (except AFDC recipients) registered at all Division of Employment Security offices in the Brockton SMSA, and at the Brockton Job Matching Center. This data comes from the Employment Security Automated Reporting System (ESARS). AFDC recipients will be discussed in Section VIII of this report under the subheading "WIN".

Table 23
Employed Part-time For Economic Reasons
Brockton SMSA

Group	Number
TOTAL	3357
White Male	1376
White Female	1780
Nonwhite Male	79
Nonwhite Female	122

Table 24
Economically Disadvantaged Persons
18 Years and Older
Brockton CETA Area

Total	White	Black	Other	Spanish
16,934	15,314	921	699	548

VIII. Training Programs

A. CETA

The Comprehensive Employment and Training Act of 1973 was enacted to provide job training and employment opportunities to economically disadvantaged unemployed or underemployed persons. Brockton is a prime sponsor under this federally funded program. Services are provided for eligible residents of the cities and towns listed under the heading "Definition of CETA Area" in Section II of this report. As of March 1981 the Brockton CETA prime sponsor provided public service employment, skill training, on-the-job training, adult basic education and youth programs. However, at the time of this writing it appears certain that funding for public service employment will not be provided by the federal government in fiscal year 1982.

B. WIN

The Work Incentive Program (WIN) is a federally funded program to provide employment and training for persons receiving Aid to Families with Dependent Children (AFDC). In Massachusetts this program is administered jointly by the Massachusetts Division of Employment Security and the Massachusetts Department of Public Welfare. As of March 1981 the WIN program provided job counseling, institutional training, on-the-job training, work experience, job development and placement assistance. During the first half of fiscal year 1981 (October 1, 1980 through March 31, 1981) a total of 3,492 persons was registered with WIN offices in the Brockton SMSA. Of these 70.5 percent were female, 89 percent were white, 7.1 percent were black, 3.2 percent were Hispanic, and 42 percent had less than a high school education.

C. Apprenticeship

Apprenticeship is a training system through which a person learns a skilled trade on the job under an experienced craft worker, and also receives related classroom instruction. The training period may run from one to six years, but most programs last three or four years. Apprentices are paid while training on the job. Wage rates usually start at about half of the journeyman's rate and go up to about 95 percent of the full rate near the end of the apprenticeship. As of March, 1981 all apprenticeship programs in Massachusetts must be approved by and registered with the state Division of Apprentice Training. There are approximately 415 apprenticeable trades in the Commonwealth.

D. Vocational-Technical Schools in Brockton SMSA

1. Southeastern Regional Vocational Technical High School
   250 Foundry Street
   South Easton, Massachusetts 02375

E. Community Colleges in Brockton SMSA

1. Massasoit Community College
   290 Thatcher Street
   Brockton, Massachusetts 02402

APPENDIX

ESARS Tables

TABLE B07 03/31/81 MASSACHUSETTS SMSA 1200 TABLE B07

JOB OPENINGS RECEIVED AND FILLED BY OCCUPATIONAL CATEGORY AND HOURLY WAGE RATE

ITEM NO	ITEM	TOTAL NONAG AND AG	UNDER $3.10	$3.10- $3.34	$3.35- $3.49	$3.50- $3.99	$4.00- $4.49	$4.50- $4.99	$5.00- $5.49	$5.50- $5.99	$6.00 & OVER	AVERAGE	OTHER*
A	B	C	D	E	F	G	H	I	J	K	L	M	N
	OPENINGS RECEIVED												
B07010	TOTAL	2200	17	607	303	504	365	40	122	37	205	4.13	0
B07015	0-1 PROF TECH MGR	132	0	8	1	26	31	2	6	5	53	5.72	0
B07020	20-24 CLERICAL	518	4	125	25	130	163	10	46	9	6	3.97	0
B07025	25-29 SALES	281	1	231	13	7	8	1	10	4	6	3.33	0
B07030	30 DOMESTIC	53	0	33	16	2	1	0	0	0	1	3.40	0
B07035	31-39 OTHER SERV	363	11	99	91	93	49	3	16	1	0	3.57	0
B07040	4 FARM F & F	70	0	1	62	7	0	0	0	0	0	3.36	0
B07045	5 PROCESSING	16	0	1	1	7	4	0	1	1	1	4.13	0
B07050	6 MACHINE TRADES	148	1	16	27	49	35	5	5	4	6	3.88	0
B07055	7 BENCH WORK	119	0	21	22	37	30	2	2	1	4	3.94	0
B07060	8 STRUCTURAL	99	0	4	3	16	15	5	22	11	23	4.98	0
B07065	90-91 MOTOR FRGT, TRANSP	34	0	2	6	8	3	5	7	0	3	4.25	0
B07070	92 PKG MTRL HNDL	362	0	66	36	122	25	7	6	0	100	5.10	0
B07075	93-97 OTHER	5	0	0	0	0	1	0	1	1	2	6.32	0
	OPENINGS FILLED												
B07085	TOTAL	1248	9	384	108	298	209	24	56	5	155	4.22	0
B07090	0-1 PROF TECH MGR	64	0	3	0	9	15	0	3	0	34	5.99	0
B07095	20-24 CLERICAL	277	2	96	17	51	85	3	21	0	2	3.79	0
B07100	25-29 SALES	152	0	133	3	3	7	1	3	0	2	3.25	0
B07105	30 DOMESTIC	9	0	5	2	2	0	0	0	0	0	3.31	0
B07110	31-39 OTHER SERV	204	6	75	26	60	27	3	7	0	0	3.56	0
B07115	4 FARM F & F	2	0	1	0	1	0	0	0	0	0	3.30	0
B07120	5 PROCESSING	15	0	2	1	7	4	0	1	0	0	3.79	0
B07125	6 MACHINE TRADES	90	1	11	8	37	19	3	1	2	8	4.00	0
B07130	7 BENCH WORK	78	0	21	17	20	16	1	1	1	1	3.64	0
B07135	8 STRUCTURAL	50	0	2	3	8	11	3	8	1	14	4.84	0
B07140	90-91 MOTOR FRGT, TRANSP	26	0	2	6	7	2	3	5	0	1	4.03	0
B07145	92 PKG MTRL HNDL	279	0	33	25	93	22	7	6	0	93	5.46	0
B07150	93-97 OTHER	2	0	0	0	0	1	0	0	1	0	4.75	0

*1 OTHER INCLUDES WAGES NOT PAID ON A TIME BASIS.

SMSA 1200

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/81 PAGE 001

TABLE 10 - ALL JOB OPENINGS 03/31/81 . MASSACHUSETTS SMSA 1200 TABLE 10
OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO	OCCUPATIONAL CATEGORIES AND DIVISIONS	OPENINGS BY INDUSTRIAL DIVISION										
		TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SER-VICES	PUBLIC ADMIN-ISTRA-TION	GOVT
A	B	C	D	E	F	G	H	I	J	K	L	M
	OPENINGS RECEIVED											
10010	TOTAL	2200	7	4	42	409	129	675	55	552	327	373
10015	0-1 PROF TECH MGR	132	0	0	1	4	0	19	3	66	39	85
10020	20-24 CLERICAL	518	0	0	5	31	12	130	17	213	110	109
10025	25-29 SALES	281	0	0	0	8	5	239	25	4	0	0
10030	30 DOMESTIC	53	0	0	0	0	0	0	0	47	6	6
10035	31-39 OTHER SERVICES	363	0	0	0	9	0	170	0	62	122	123
10040	4 FARM F & F	70	7	0	0	0	0	1	0	42	20	20
10045	5 PROCESSING	16	0	0	1	7	0	8	0	0	0	1
10050	6 MACHINE TRADES	148	0	0	4	124	0	17	0	2	1	1
10055	7 BENCH WORK	119	0	0	8	94	0	8	0	9	0	0
10060	8 STRUCTURAL	99	0	2	22	29	0	6	6	17	17	16
10065	90-91 MOTOR FRGT, TRANSP	34	0	0	1	7	8	14	0	0	4	4
10070	92 PKG MTRL HNDL	362	0	0	0	96	104	62	4	89	7	7
10075	93-97 OTHER	5	0	2	0	0	0	1	0	1	1	1
	OPENINGS FILLED											
10085	TOTAL	1248	1	1	25	252	115	379	30	269	176	221
10090	0-1 PROF TECH MGR	64	0	0	0	1	0	7	1	44	11	54
10095	20-24 CLERICAL	277	0	0	4	18	10	92	15	77	61	60
10100	25-29 SALES	152	0	0	0	4	5	133	8	2	0	0
10105	30 DOMESTIC	9	0	0	0	0	0	0	0	7	2	2
10110	31-39 OTHER SERVICES	204	0	0	0	4	0	82	0	37	81	82
10115	4 FARM F & F	2	1	0	0	0	0	1	0	0	0	0
10120	5 PROCESSING	15	0	0	1	7	0	7	0	0	0	1
10125	6 MACHINE TRADES	90	0	0	2	80	0	7	0	1	0	0
10130	7 BENCH WORK	78	0	0	5	57	0	9	0	7	0	0
10135	8 STRUCTURAL	50	0	1	12	9	0	2	2	14	10	11
10140	90-91 MOTOR FRGT, TRANSP	26	0	0	1	7	3	11	0	0	4	4
10145	92 PKG MTRL HNDL	279	0	0	0	65	97	27	4	79	7	7
10150	93-97 OTHER	2	0	0	0	0	0	1	0	1	0	0
	FILL RATE											
10160	TOTAL	56.7	14.3	25.0	59.5	61.6	89.1	56.1	54.5	48.7	53.8	59.2
10165	0-1 PROF TECH MGR	48.5	0.0	0.0	0.0	25.0	0.0	36.8	33.3	66.7	28.2	63.5
10170	20-24 CLERICAL	53.5	0.0	0.0	80.0	58.1	83.3	70.8	88.2	36.2	55.5	55.0
10175	25-29 SALES	54.1	0.0	0.0	0.0	50.0	100.0	55.6	32.0	50.0	0.0	0.0
10180	30 DOMESTIC	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	33.3	33.3
10185	31-39 OTHER SERVICES	56.2	0.0	0.0	0.0	44.4	0.0	48.2	0.0	59.7	66.4	66.7

SMSA 1200

MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/81 PAGE 001

TABLE 10 - ALL JOB OPENINGS 03/31/81 MASSACHUSETTS SMSA 1200 TABLE 10
OPENINGS RECEIVED AND FILLED BY INDUSTRIAL DIVISION AND OCCUPATIONAL CATEGORY

ITEM NO	OCCUPATIONAL CATEGORIES AND DIVISIONS	OPENINGS BY INDUSTRIAL DIVISION										
		TOTAL	AGR FOR & FISH	MINING	CONSTR	MFG	TRANSP & UTIL	WHS & RETAIL TRADE	FINANCE INS & REAL ESTATE	SER-VICES	PUBLIC ADMIN-ISTRA-TION	GOVT
A	B	C	D	E	F	G	H	I	J	K	L	M
10190 4	FARM F & F	2.9	14.3	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
10195 5	PROCESSING	93.8	0.0	0.0	100.0	100.0	0.0	87.5	0.0	0.0	0.0	100.0
10200 6	MACHINE TRADES	60.8	0.0	0.0	50.0	64.5	0.0	41.2	0.0	50.0	0.0	0.0
10205 7	BENCH WORK	65.5	0.0	0.0	62.5	60.6	0.0	112.5	0.0	77.8	0.0	0.0
10210 8	STRUCTURAL	50.5	0.0	50.0	54.5	31.0	0.0	33.3	33.3	82.4	58.8	68.8
10215 90-91	MOTOR FRGT, TRANSP	76.5	0.0	0.0	100.0	100.0	37.5	78.6	0.0	0.0	100.0	100.0
10220 92	PKG MTRL HNDL	77.1	0.0	0.0	0.0	67.7	93.3	43.5	100.0	88.8	100.0	100.0
10225 93-97	OTHER	40.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0

SMSA 1200 MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/81 PAGE 002

TABLE 96 03/31/81 MASSACHUSETTS SMSA 1200 TABLE 96

APPLICANTS AND NONAGRICULTURAL JOB OPENINGS BY OCCUPATION

ITEM NO	OCCUPATIONAL CODE	TOTAL REGIS-TERED APPS ACTIVE ANYTIME THIS FY	ACTIVE FILE							NONAGRICULTURAL OPENINGS				
			TOTAL	FEMALE	VETERAN	AGE GROUPS		MINOR-ITY	ECONOM-ICALLY DISAD-VANT-AGED	TOTAL RE-CEIVED	OPENING REC'D FEDERAL CON-TRACTOR JOB LISTING	OPENING FILLED	UNFILLED OPEN	
						UNDER 22	45 AND OLDER						TOTAL	30 DAYS OR MORE
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
96	TOTAL	11921	5079	2534	1006	817	831	445	2363	2193	253	1247	636	374
96	0-1	1336	521	226	141	25	110	44	169	132	22	64	35	24
96	000-169	879	328	157	85	14	62	26	114	88	20	47	23	16
96	180-199	457	193	69	56	11	48	18	55	44	2	17	12	8
96	2	2831	1210	971	97	170	181	79	540	797	39	428	193	71
96	200-249	2251	992	851	56	131	142	74	459	517	21	277	162	48
96	250-299	580	218	120	41	39	39	5	81	280	18	151	31	23
96	3	1581	774	522	95	138	126	78	530	416	38	213	150	92
96	300-309	104	71	69	0	12	22	9	66	53	5	9	34	33
96	310-319	704	326	223	30	73	35	14	207	183	3	97	53	3
96	320-389	773	377	230	65	53	69	55	257	180	30	107	63	56
96	4	76	36	7	4	13	4	2	10	63	62	1	62	42
96	400-429	69	32	6	3	11	4	2	9	63	62	1	62	42
96	440-449	3	1	0	1	0	0	0	0	0	0	0	0	0
96	450-461	4	3	1	0	2	0	0	1	0	0	0	0	0
96	5	153	72	21	26	12	14	11	27	16	0	15	2	1
96	6	802	364	98	102	63	58	29	154	148	18	90	32	22
96	7	642	320	224	26	38	65	36	148	119	11	78	41	33
96	8	1169	551	22	219	79	71	29	167	97	4	48	29	26
96	800-859	571	272	17	104	32	36	20	76	42	2	12	22	20
96	860-899	598	279	5	115	47	35	9	91	55	2	36	7	6
96	9	2352	1021	310	261	285	134	111	415	401	58	307	91	63
96	900-919	534	244	34	88	26	31	14	94	34	1	26	1	0
96	920-929	1749	752	268	166	258	101	94	312	362	55	279	88	61
96	930-979	69	25	8	7	1	2	3	9	5	2	2	2	2
96	X-ENTRY TOTAL	78	12	11	1	0	5	4	12	0	0	0	0	0
96	0-1	1	1	1	0	0	1	0	1	0	0	0	0	0
96	2	9	1	1	0	0	1	0	1	0	0	0	0	0
96	3	3	1	1	0	0	1	1	1	0	0	0	0	0
96	7	2	2	2	0	0	1	1	2	0	0	0	0	0
96	9	63	7	6	1	0	1	2	7	0	0	0	0	0

SMSA 1200 MONTHLY YEAR TO DATE
FOR PERIOD ENDING 03/31/81 PAGE 001

ACME
BOOKBINDING CO., INC.

OCT 28 1990

JO CAMBRIDGE STREET
HARLESTOWN, MASS.